

REGISTRATION
GUIDANCE MANUAL
FOR GENERATORS OF
LIQUID INDUSTRIAL
AND HAZARDOUS WASTE

JULY, 1985



Ontario

Ministry
of the
Environment

The Honourable
Jim Bradley
Minister

Dr. Allan E. Dyer
Deputy Minister

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I INTRODUCTION

This guidance manual has been prepared to help you comply with the generator registration requirements of Regulation 309. The amended Regulation 309 requires waste generators to evaluate their wastes and if found to be Hazardous or Liquid Industrial to register them with the Ministry of the Environment (MOE) by September 17, 1986. Following this date, it will be an offense to store, process, dispose or transport such wastes in Ontario unless the generator has obtained a Generator Registration Number issued by the MOE.

In addition to Hazardous and Liquid Industrial Wastes, the amended Regulation 309 requires the registration of solid wastes which, when subjected to the Leachate Extraction Procedure, generate leachate contaminant levels between 10 and 100 times the levels specified in Schedule 4 of the Regulation. The Ministry will not issue Generator Registration Numbers for these wastes, however, generators must still register them with the MOE by September 17, 1986 in order to comply with the new regulatory requirements.

Out-of-Province waste generators who transport or dispose of Hazardous or Liquid Industrial Wastes in Ontario must also register these wastes with the MOE. No carrier or receiver will be permitted to accept these wastes from any out-of-province generator who has not obtained a Generator Registration Number issued by the MOE.

Additional changes made to Regulation 309 include the following:

- an expanded manifest (waybill) system which will track the movement of Solid Hazardous Wastes in addition to those Liquid Industrial Wastes previously covered by Regulation 313;
- improved Hazardous Waste and associated definitions;
- specific waste carrier standards and requirements.

Amendments to Regulation 309 are aimed at providing a comprehensive system for monitoring Hazardous and Liquid Industrial Wastes, from their point of generation, through to ultimate disposal. This monitoring system will provide waste generators with better information concerning the treatment or disposal of their wastes. The first and most important step in the management of these wastes is the generator registration program. Information obtained from this program will allow the Ministry to develop computerized waste profiles which will serve as a basis for the entire waste monitoring and control system.

The registration process includes three steps. The first two steps are the responsibility of the generator. The third involves subsequent Ministry activities and addresses ongoing waste generator requirements.

Step 1 will help you determine whether or not registration of your waste(s) is required. To assist you in this determination, a flowchart and explanations have been provided. If, after using the flowchart, you determine that your wastes are not subject to the registration requirements of Regulation 309, no further action need be taken. However, if your wastes are subject, you and the wastes must be registered with the MOE.

Step 2 will show you how to complete and file Generator Registration Reports. It explains each line of the report and the information that must be entered.

Step 3 will explain what happens to your Generator Registration Report after you have filed it with the Ministry. It briefly describes the steps to be taken by the Ministry in reviewing your report. It also outlines your ongoing obligations as a waste generator.

Throughout the manual the term Subject Waste is used. Subject Wastes are Hazardous Wastes, Liquid Industrial Wastes and wastes that generate leachate contaminant levels between 10 and 100 times the levels specified in Schedule 4 of Regulation 309.

This guidance manual has been prepared, for your convenience, to help you interpret the technical requirements of Regulation 309. For the legal interpretation, refer to the Regulation itself.

The registration package of which this manual is a part, also includes a copy of Regulation 309, the booklet entitled "Handle with Care" and a set of Generator Registration Reports.

II THREE-STEP REGISTRATION PROCESS

STEP 1 - HOW TO DETERMINE IF REGISTRATION IS REQUIRED

Introduction

All generators of wastes will need to determine whether the wastes they produce or accumulate are subject to registration requirements. Step 1 provides a systematic approach to making this decision using a flowchart and associated explanations. It will also help you determine the Waste Characteristics and corresponding MOE Waste Classes that must be submitted on the Generator Registration Report.

The Regulation defines Hazardous Wastes in a manner similar to the United States Environmental Protection Agency. The listing and testing approach assigns specific laboratory tests and criteria wherever possible. Where tests or criteria have not been developed for specific characteristics, such as toxicity, the wastes of concern are listed.

Using this approach, a Hazardous Waste is defined as a waste that meets one of the following:

- 1) It is listed as a Hazardous Industrial Waste in Schedule 1 of Regulation 309.
- 2) It is listed as an Acute Hazardous Waste Chemical or Hazardous Waste Chemical in Schedule 2(A) or 2(B) of Regulation 309.
- 3) It contains Severely Toxic contaminants listed in Schedule 3 of Regulation 309 at a concentration greater than 1 ppm.
- 4) It exceeds the criteria assigned to the characteristics of Ignitability, Corrosivity or Reactivity or is identified as being Pathological as presented in Regulation 309.
- 5) It produces a leachate with contaminant concentrations greater than 100 times the concentrations listed in Schedule 4 of Regulation 309.

Wastes that produce leachate contaminant concentrations between 10 and 100 times the concentrations listed in Schedule 4 of Regulation 309, are not defined as Hazardous, however, they must still be registered.

The Regulation also defines Liquid Industrial Wastes and requires that they be registered with the Ministry. These are wastes from industrial or commercial sources that are not Hazardous but that are liquid. For registration purposes, the criterion to determine whether the waste is liquid or not is the Slump Test.

A number of specific exemptions have been provided by the Regulation. Details can be found by following the flowchart and referring to the related explanations.

Registration is not required in anticipation of wastes that may be generated through spills. Emergency registration procedures are available for spill situations. Contact your nearest MOE regional or district office (Appendix 1) during emergencies for special streamlined registration requirements.

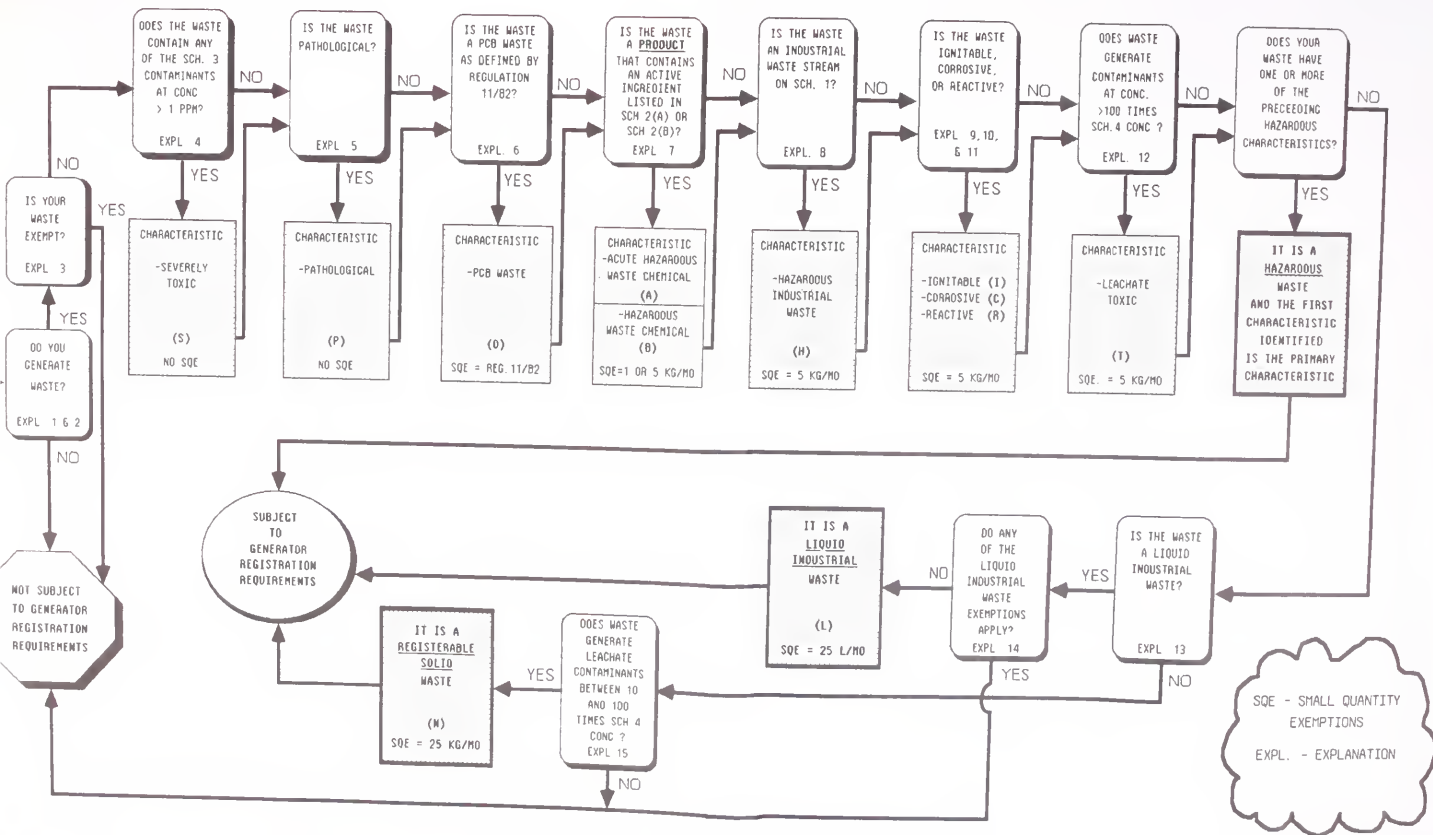
Using the Waste Identification Flowchart

The Waste Identification Flowchart shown in Figure 1 is designed to help you determine by means of a systematic approach, whether or not you must register your facility and its wastes. In addition, the flowchart will help you identify the appropriate Waste Characteristics and Waste Classes. Explanations are referred to throughout the flowchart. These explanations can be found within this manual on the pages immediately following Figure 1.

The flowchart must be followed to its completion to ensure that all characteristics of a particular waste have been identified and prioritized. In those cases where there is more than one Hazardous Waste characteristic, the first identified using the flowchart is defined as the "Primary Characteristic". If a second characteristic is found, it will be defined as the "Secondary Characteristic".

DO NOT ATTEMPT TO COMPLETE YOUR REGISTRATION REPORT UNTIL YOU HAVE FOLLOWED THE FLOWCHART THROUGH TO COMPLETION AND READ ALL 15 EXPLANATIONS.

FIGURE 1 : WASTE IDENTIFICATION FLOWCHART





Flowchart Explanations

Note: These explanations can only be used along with the flowchart.

Explanation 1 -- Generator

The Regulation defines generator and waste generating facility (site). The intent is to include any person, by site, who through ownership, management, operation or control, creates or stores wastes. Generators include operators of commercial and manufacturing facilities that produce wastes as well as operators of waste transfer, bulking, treatment or processing facilities that forward materials off-site for subsequent management.

Explanation 2 -- Waste

Wastes are defined by the Environmental Protection Act and include all materials that you would normally consider to be waste. Ashes, garbage, industrial waste, commercial waste, and other residues from industrial and commercial activities are included.

All products and by-products from waste transfer, bulking, treatment or processing facilities are considered to be wastes. These include oil recovered from oily water treatment facilities as well as blended or bulked waste solvents destined for either disposal or recycle. Commercial chemical products or by-products, including those that are off-specification or that have exceeded their expiry date, are also considered to be wastes.

Economic value is not a good indicator of whether or not a material is a waste. Waste materials being sold for their heating value or otherwise being reused, recycled, recovered or reclaimed are still wastes. Exemptions are provided for Recyclable Materials. See Explanation 3(g) for details.

By-products or intermediates from a series of traditional refining operations, such as mineral or metal recovery, are not wastes. For example, sludges from an electrolytic recovery process for metals, such as nickel or copper, which are subsequently processed to remove precious metals, such as silver or gold, are not considered to be wastes.

Explanation 3 -- Exemptions

A number of exemptions are provided for both Hazardous and Liquid Industrial Wastes. Exempted wastes do not have to comply with the registration or manifest requirements. The following are exempted wastes:

(a) Sewage:

Waste collected from sewage systems regulated under Part VII and Section 136 and of the Environmental Protection Act are exempt. This includes sewage from cesspools, septic tanks, leaching pits and beds, privies, toilets and holding tanks.

Sewage from holding systems on boats is also included in this exemption.

- (b) **Sewage Sludge:**
Wastes from municipally owned sewage works, or crown owned sewage works subject to an agreement with a municipality and approved under the Ontario Water Resources Act (OWRA) are exempt. In addition, wastes from privately owned sewage works, that only receive wastes similar in character to domestic sewage, are also exempt. The intention of the qualifying phrase in the preceding sentence is to limit the exemption to those industrial works that treat sewage from persons. The exemption does not apply to industrial sewage.
- (c) **Processed Organic Wastes:**
Sludge from municipal sewage works or other wastes that are predominantly organic in composition and which have been stabilized by digestion or other means are exempt.
- (d) **Discharges from On-Site Wastewater Treatment Facilities:**
Treated wastewaters discharged to watercourses from OWRA approved treatment facilities are exempt. However, Hazardous Wastes going to these treatment facilities and any wastes generated by them (other than wastewaters), such as sludges or skimmings, are not exempt. See Figure 2 for clarification.
- (e) **Water Treatment Sludges:**
Wastes from the operation of a water works approved under Section 23 of the OWRA are exempt.
- (f) **Domestic Wastes:**
Wastes generated by households are exempt. This exemption does not include waste from institutions, hotels, motels, etc.
- (g) **Recyclable Material:**
The amended Regulation 309 defines Recyclable Material as follows:

"Recyclable Material" means waste transferred by a generator and destined for a site,

- i where it will be wholly utilized, in an ongoing agricultural, commercial, manufacturing or industrial process or operation used principally for functions other than waste management and that does not involve combustion or land application of the waste,
- ii where it will be promptly packaged for retail sale, or
- iii where it will be offered for retail sale to meet a realistic market demand,

but does not include Hazardous Waste or Liquid Industrial Waste unless transportation from generator to site is direct.

In every sense, Recyclable Materials are considered to be raw materials and as such are exempt from the registration and all other provisions of the Regulation. In order to obtain this exemption, the waste must be used completely, either in a process or operation whose function is other than waste management, or be taken directly for retail sale or prompt packaging before retail sale.

"Wholly" has not been defined but is intended to mean that all of the wastes must enter the process or operation. Minor modifications to the wastes such as incidental sedimentation in storage tanks where treatment is not intended would be acceptable.

Whether the function of a process is for waste management or not can be determined in most cases by reviewing its viability if the waste were not available. Processes or operations that are not viable without the incoming wastes are deemed to be in the business of waste management. For example, an oily water treatment facility is not viable without oily water. Therefore, the facility is considered to be a waste management facility and the oily water does not meet the requirements of the Recyclable Materials definition. On the other hand, a metal degreasing operation can continue to operate without waste solvents. The supply of waste solvents is simply an alternative which is used to obtain an economic benefit.

Processes that combust the waste or apply the waste to the land are not included in this exemption.

If the wastes are Hazardous or Liquid Industrial, they must be transported directly from the original generator to the end user without passing through a transfer or other processing facility to obtain the Recyclable Material exemption.

- (h) Oil and Gas Well Wastes:
Wastes such as drilling fluids and produced waters associated with the exploration, development or production of crude oil or natural gas are exempt. The management of these wastes is controlled through the provisions of the Petroleum Resources Act and the general provisions of the Environmental Protection Act.
- (i) Retail Motor Vehicle Service Station Wastes:
Wastes resulting from the servicing of motor vehicles at retail motor vehicle service stations are exempt. These wastes are still defined as Hazardous or Liquid Industrial Wastes and must

only be handled at appropriately approved facilities. This exemption is limited to retail service stations that have a contract with a licensed carrier to have their wastes, from the servicing of motor vehicles, hauled off-site.

Such wastes can include waste crankcase oil from oil storage tanks, water removed from gasoline storage tanks and gasoline contaminated groundwater. A guideline has been prepared by the Ontario Petroleum Association in cooperation with the Ministry of the Environment to address the management of these wastes.

- (j) Ash from "Energy from Waste" Facilities:
Ash from "Energy from Waste" combustion facilities that use non-hazardous solid waste as a fuel or fuel supplement is exempt.
- (k) Small Quantities:
Small quantity exemptions are provided for some waste types. The exempted quantities vary and are dependent on the specific Waste Characteristic. As such, this exemption cannot be determined until the waste has been evaluated and the Waste Characteristic defined. Small quantity exemptions are discussed under the explanations dealing with each characteristic (Explanations 4 to 15).
- (l) Empty Containers or Inner Liners:
Empty containers or inner liners may or may not be exempt depending on the characteristic of the material they contained. As such, this exemption cannot be determined until the waste has been evaluated and the Waste Characteristic defined. Empty container and inner liner exemptions are discussed under the explanations dealing with each characteristic (Explanations 4 to 15).

Empty container is defined by the Regulation and means a container from which wastes and other materials have been removed using common removal practices such as pumping or pouring and that contains less than 2.5 centimeters of material on the bottom of the container.
- (m) Other Exemptions:
There are a number of other exemptions that apply specifically to Liquid Industrial Wastes. These exemptions do not apply to Hazardous Wastes. See Explanation 14 for details of these limited exemptions.

Explanation 4 -- Severely Toxic Wastes

Wastes that contain any one or more of the contaminants listed in Schedule 3 of Regulation 309 at a concentration greater than 1 part per million are characterized as Severely Toxic. A copy of Schedule 3

is appended to this manual (Appendix 7). Severely Toxic Wastes could include pesticides such as 2,4,5-T and pentachlorophenol, but are unlikely to include industrial streams.

Because of the concern with Severely Toxic Wastes, there is no small quantity exemption. Empty containers and inner liners are also Hazardous.

If you generate a waste that is Severely Toxic, you will need to specify the following Waste Characteristic and the appropriate MOE Waste Class on the Generator Registration Report.

Waste Characteristic	- Severely Toxic (S)
Waste Class	- Select the 3-digit Waste Class number from Appendix 2 of this manual beside the listing that best describes your waste. Add the letter "S" to this number to specify the above Waste Characteristic, for example, 242S.

Explanation 5 -- Pathological Wastes

The following definition in Regulation 309 has been developed to identify Pathological wastes. The descriptions are for the most part self-explanatory.

Pathological waste means,

- i. any part of the human body, including tissues and bodily fluids, but excluding fluids, extracted teeth, hair, nail clippings and the like, that are not infectious,
- ii. any part of the carcass of an animal infected with a communicable disease or suspected by a licensed veterinary practitioner to be infected with a communicable disease, or
- iii. non-anatomical waste infected with communicable disease.

If you are in doubt as to whether or not your waste is Pathological (infectious) you should consult with a licenced medical practitioner or veterinary doctor.

Because of the concern with Pathological Wastes, there is no small quantity exemption. Empty containers and liners are also Hazardous unless they have been incinerated, autoclaved or otherwise sterilized to make them non-infectious.

If you generate a waste that is Pathological, you will need to specify the following Waste Characteristic and the appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | Pathological (P) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. This will most likely be 312. Add the letter "P" to this number to specify the above Waste Characteristic, for example, 312P. |

Explanation 6 -- PCB (Polychlorinated biphenyl) Wastes

The legal definition for PCB Wastes is provided in Ontario Regulation 11/82. Generally, wastes that contain PCBs at concentrations greater than 50 parts per million (ppm), by weight, are PCB Wastes. Refer to Regulation 11/82 (Appendix 9) for further details.

The only small quantity exemption with regards to PCB Wastes is for electrical capacitors that have never contained over one kilogram of PCBs. These types of capacitors do not need to be registered.

Electrical or other equipment that contains PCBs that is still in service does not require registration at this time. However, should the equipment come out of service or the PCB liquid be drained from the equipment, registration would then be required.

PCB Wastes stored on a site, whether or not authorized by any other Regulation, must be registered.

If you generate PCB Wastes or have PCB Wastes stored, you will need to specify the following Waste Characteristic and the appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | PCB Waste (D) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. This will most likely be 243. Add the letter "D" to this number to specify the above Waste Characteristic, for example, 243D. |

Explanation 7 -- Acute Hazardous Waste Chemicals and Hazardous Waste Chemicals

For wastes that are commercial chemical products or combinations of commercial chemical products, consideration must be given to Schedules 2(A) and 2(B) of Regulation 309. Copies of these Schedules are appended to this manual (Appendices 5 and 6).

Acute Hazardous Waste Chemicals or Hazardous Waste Chemicals are commercial chemical products or manufacturing intermediates that from time to time are off-specification, or otherwise unacceptable for use. The definition of commercial waste chemicals includes materials such as pharmaceutical or pesticide waste products that contain active ingredients from Schedules 2(A) or 2(B). Active ingredients

are chemical constituents that have been included in a formulated product for an intended effect. For example, a waste pesticide formulation that includes dieldrin (listed in Schedule 2(A)) as an active ingredient would be classified as an Acute Hazardous Waste Chemical.

IT IS IMPORTANT TO NOTE THAT SCHEDULES 2(A) AND 2(B) ARE NOT LISTS OF CONTAMINANTS THAT, IF PRESENT IN A WASTE STREAM, MAKE THE STREAM HAZARDOUS. Essentially these are lists of products or by-products that are seldom disposed of but, for whatever reason, occasionally become wastes.

Generators of waste chemicals should carefully review Schedules 2(A) and 2(B). These schedules are arranged alphabetically. Since there are a number of ways of naming any chemical, it is recommended that synonyms for each chemical be identified and each synonym compared to the Schedules. For commercial chemical products that are known only by a trade name, the supplier should be contacted to identify the generic name or the active ingredients for comparison with the Schedules.

For wastes listed in SCHEDULE 2(A), or wastes containing active ingredients from Schedule 2(A), the small quantity exemption is 1 kg of waste per month. If you generate more than 1 kg of this type of waste in a one month period, or accumulate more than 1 kg on your site over any period, then registration is required. Containers greater than 20 litres in capacity that contained Schedule 2(A) products are Hazardous unless they have been triple rinsed using an appropriate solvent. Inner liners weighing more than 10 kg that contained Schedule 2(A) products are also Hazardous unless they have been triple rinsed using an appropriate solvent.

If you generate a waste that is found in Schedule 2(A) or that contains active ingredients from Schedule 2(A), you will need to specify the following Waste Characteristic and the appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|---|
| Waste Characteristic | - | Acute Hazardous Waste Chemical (A) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. For example, it could be:
148 if the chemical is inorganic,
263 if the chemical is organic, or
261 if the waste is pharmaceutical.
Add the letter "A" to this number to specify the above Waste Characteristic, for example, 148A, 263A or 261A. |

For wastes found in SCHEDULE 2(B) or wastes containing active ingredients from Schedule 2(B), the small quantity exemption is 5 kg of waste per month. If you generate more than 5 kg of this type

of waste in a one month period or accumulate more than 5 kg on your site over any period, registration is required. Empty containers and inner liners are not hazardous.

If you generate a waste that is found in Schedule 2(B) or that contains active ingredients from Schedule 2(B), you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | Hazardous Waste Chemical (B) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. For example it could be:
148 if the chemical is inorganic,
263 if the chemical is organic or
261 if the waste is a pharmaceutical.
Add the letter "B" to specify the above Waste Characteristic, for example, 148B, 263B or 261B. |

Explanation 8 -- Hazardous Industrial Waste

Industrial waste streams that are considered to be Hazardous are listed in Schedule 1 of Regulation 309. A copy of Schedule 1 is appended to this manual (Appendix 4). The Schedule contains descriptions of both generic and process-specific waste streams that can be compared to your process waste stream.

For industrial waste streams, the small quantity exemption is 5 kg per month. If you generate more than 5 kg in a one month period, or accumulate more than 5 kg on your site over any period, registration is required. Empty containers and inner liners are not hazardous.

If you generate a waste listed in Schedule 1, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | Hazardous Industrial Waste (H) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "H" to this number to specify the above Waste Characteristic, for example, 211H. |

Explanation 9 -- Ignitable Wastes

Wastes that are Ignitable as defined in Regulation 309 by any of the following four criteria are Hazardous.

1. It is a liquid, other than an aqueous solution containing less than 24 per cent alcohol by volume, and has a flash point less than 61°C as determined by any of the following test methods:

ASTM D-56-79,
ASTM D-3243-77,
ASTM D-3278-78,
ASTM D-93-79.

Examples of Ignitable liquid waste include ethanol, varsol, gasoline, petroleum distillates or paint thinners.

2. It is a solid and is capable, under standard temperature and pressure, of causing fire due to friction, absorption of moisture, or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.

An example of an Ignitable solid waste is charcoal.

3. It is an Ignitable compressed gas as defined by Class 2, Division 1 of the federal Transportation of Dangerous Goods Regulation (TDGR)*.

Class 2, Division 1 gases are defined as substances that

- (a) have a critical temperature less than 50°C or an absolute vapour pressure greater than 294 kPa at 50°C; or
- (b) exert an absolute pressure, in the cylinder, packaging tube or tank in which it is contained, greater than 275⁺¹ kPa at 21.1°C or 717⁺² kPa at 54.4°C.

and

- (i) are ignitable at normal atmospheric pressure when in a mixture of 13 percent or less by volume with air, or
- (ii) have a flammability range of at least 12.

Examples of Ignitable compressed gases include methane (natural gas), butane or butane mixtures, and propane.

4. It is an oxidizing substance as defined by Class 5 of the TDGR.*

This includes substances such as chlorates, permanganates, and nitrates which readily yield oxygen to stimulate, or contribute to, the combustion of other materials. Substances that contain the bivalent -O-O- structure are also considered to be oxidizers.

* For copies of the Transportation of Dangerous Goods Regulations (TDGR) contact the Department of Supply and Services Canada in Ottawa at (613) 997-2560 (Document Number SOR/85-77).

To assist in your evaluation, Schedule II, List II of the TDGR lists a number of oxidizing substances as Class 5 dangerous goods. These are substances that have a 5.1 or 5.2 designation in column III of this list. In the same manner, ignitable compressed gases are included in this list with a 2.1 designation.

For Ignitable wastes the small quantity exemption is 5 kg per month. If you generate more than 5 kg in a one month period, or accumulate more than 5 kg on your site over any period, registration is required. Empty containers and liners are not hazardous.

If you generate a waste that is Ignitable, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|----------------------|---|--|
| Waste Classification | - | Ignitable (I) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "I" to this number to specify the above Waste Characteristic, for example, 211I. |

Explanation 10 -- Corrosive Wastes

Wastes that are Corrosive as defined in Regulation 309 by any of the following two criteria are Hazardous.

1. It is aqueous and has a pH less than or equal to 2.0 or greater than or equal to 12.5.
2. It is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 millimetres per year at a test temperature of 55°C using the National Association of Corrosion Engineers (NACE) test method TM-01-69.

For Corrosive wastes the small quantity exemption is 5 kg per month. If you generate more than 5 kg in a one month period, or accumulate more than 5 kg on your site over any period, registration is required. Empty containers and inner liners are not hazardous.

If you generate a waste that is Corrosive, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|----------------------|---|--|
| Waste Characteristic | - | Corrosive (C) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "C" to this number to specify the above Waste Characteristic, for example, 111C. |

Explanation 11 -- Reactive Wastes

The Reactive waste definition presented in Regulation 309 encompasses a number of diverse properties. Generally, the intent is to include wastes that are susceptible to violent/vigorous reactions or are likely to generate toxic fumes. The following criteria are used to define Reactive wastes in Regulation 309.

1. It is normally unstable and readily undergoes violent change without detonating.
2. It reacts violently with water.
3. It forms potentially explosive mixtures with water.
4. When mixed with water it generates toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment.
5. It is a cyanide or sulphide bearing waste which, when exposed to pH conditions between 2.0 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment.
6. It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement.
7. It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.
8. It is a Class 1 explosive as defined by the TDGR. Schedule II List I of TDGR lists most Class 1 explosives.

For Reactive wastes the small quantity exemption is 5 kg per month. If you generate more than 5 kg in a one month period, or accumulate more than 5 kg on your site over any period, then registration is required. Empty containers or inner liners are not Hazardous.

If you generate a waste that is Reactive, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | Reactive (R) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "R" to this number to specify the above Waste Characteristic, for example, 263R. |

Explanation 12 -- Leachate Toxic Wastes

Wastes that contain the contaminants listed in Schedule 4 of Regulation 309 (Appendix 8) such that they can leach out in concentrations that exceed 100 times the concentrations shown in the Schedule are Hazardous. This criteria applies to both liquid and solid wastes. The Leachate Extraction Procedure, included as part of Regulation 309, is used to make this determination.

For Leachate Toxic wastes the small quantity exemption is 5 kg of wastes per month. If you generate more than 5 kg in a one month period, or accumulate more than 5 kg on your site over any period, registration is required. Empty containers and liners are not hazardous.

If you generate a waste that is Leachate Toxic, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|-----------------------------|---|--|
| Waste Characteristic | - | Leachate Toxic (T) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "T" to this number to specify the above Waste Characteristic, for example, 131T. |

Explanation 13 -- Liquid Industrial Wastes

Liquid Industrial Wastes are also subject to the registration provisions. These wastes are broadly defined to include any liquid waste from industrial, commercial, manufacturing, research or experimental activities. Liquid wastes include wastes that are obvious liquids such as spent acid solutions as well as those sludges that fail the Slump Test included in Regulation 309.

The Slump Test involves placing the waste in question in a 30 cm open inverted cone. The cone is removed and the immediate decrease (slump) in the height of the waste material is measured. If the material slumps such that the original height is reduced by 15 cm or more, the waste is a liquid. Refer to the Slump Test in Regulation 309 for details.

For Liquid Industrial wastes the small quantity exemption is 25 litres per month. If you generate more than 25 litres in a one month period, or accumulate more than 25 litres on your site over any period, registration is required.

If you generate a waste that is Liquid Industrial, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

Waste Characteristic	- Liquid Industrial Waste (L)
Waste Class	- Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "L" to this number to specify the above Waste Characteristic, for example, 121L.

Explanation 14 -- Liquid Industrial Waste Exemptions

There are a number of exemptions that apply only to Liquid Industrial Wastes. These cannot be applied to Hazardous Wastes. They are as follows:

- (a) Discharges to Sanitary Sewers:
Wastes or wastewaters that are discharged directly by a generator to a sanitary sewer (either municipally owned or privately owned) that is located at the waste generation site are exempt. This exemption does not apply to Hazardous Wastes.
- (b) Food Processing Wastes:
Non-hazardous wastes from the processing of food are exempt. These wastes can include those from food packing, food processing, food preserving, wineries and cheese making facilities. Grease and other liquid wastes from restaurants and other food preparation facilities are also included in this exemption.

Explanation 15 -- Other Registerable Solid Wastes

Solid wastes that contain the contaminants listed in Schedule 4 of Regulation 309 (Appendix 8) such that they can leach out in concentrations between 10 and 100 times the concentrations shown in this Schedule must be registered. The Leachate Extraction Procedure included as part of Regulation 309 is used to make this determination. Results obtained when determining whether the waste was Leachate Toxic (Explanation 12) can be used here.

These solid wastes are not considered to be Hazardous or Liquid Industrial and therefore, do not have the same handling and disposal requirements. The only requirement for these solid wastes similar to Hazardous or Liquid Industrial Wastes, is that they be registered with the Ministry.

For these solid wastes the small quantity exemption is 25 kg of waste per month. If you generate more than 25 kg in a one month period, or accumulate more than 25 kg on your site over any period, registration is required.

If you generate a solid waste with these characteristics, you will need to specify the following Waste Characteristic and appropriate MOE Waste Class on the Generator Registration Report.

- | | | |
|----------------------|---|--|
| Waste Characteristic | - | Registerable Solid Waste (N) |
| Waste Class | - | Select the 3-digit Waste Class number from Appendix 2 beside the listing that best describes your waste. Add the letter "N" to this number to specify the above Waste Characteristic, for example, 148N. |

Summary of Waste Streams Requiring Generator Registration

Figure 2 summarizes common situations and identifies those waste streams that need to be registered. Descriptions are provided for each of the seven situations outlined. Figure 2 was included to further assist you with the identification of waste streams subject to registration. You will still need to follow through the Waste Identification Flowchart (Figure 1) and the explanations associated with it to ensure that you have identified all of your Subject Wastes.

The following are the descriptions of the seven situations outlined in Figure 2.

1. Private Wastewater Treatment Facilities

- (a) Hazardous Wastes discharged to on-site private wastewater treatment facilities/processes must be registered. Sludges or skimmings from wastewater treatment facilities must also be registered. Wastewater discharges from these facilities to a watercourse, however, do not require registration.
- (b) For companies that have multi-step OWRA approved wastewater treatment processes, registration is required for all of the independent Hazardous discharges to the final OWRA approved wastewater treatment process. Wastes discharged to intermediate treatment processes do not require registration. Discharges from the final OWRA approved treatment process to watercourse do not require registration.

2. Municipal Sanitary Sewers

Individual Hazardous Wastes discharged to a municipal sanitary sewer must be registered. A company or laboratory discharging Hazardous Wastes into a drain, which leads to a municipal sewer, must register each individual Hazardous Waste discharged. Laboratory facilities, such as educational, research and quality control laboratories, are required to estimate the types and quantities of Hazardous Wastes disposed of in this manner and to register them accordingly.

3. Off-Site Water Pollution Control Plants

All Hazardous and Liquid Industrial Wastes that are hauled off-site to an approved OWRA Water Pollution Control Plant (WPCP) are registerable. Wastewater discharges from the approved WPCP do not require registration.

4. On-site Waste Management Facilities

All Subject Wastes disposed of by means of an on-site waste management facility, such as a landfill, must be registered.

5. On-Site Combustion Facilities

All Subject Wastes going to an on-site combustion facility, such as a boiler, must be registered.

6. Other On-Site Treatment or Processing Facilities

Wastes discharged to other on-site processes, such as bulking or blending operations do not need to be registered. Subject Wastes that are subsequently hauled off-site are registerable. Wastes that are bulked or blended and returned back to an on-site process operation are not registerable.

7. Off-site Waste Management Facilities

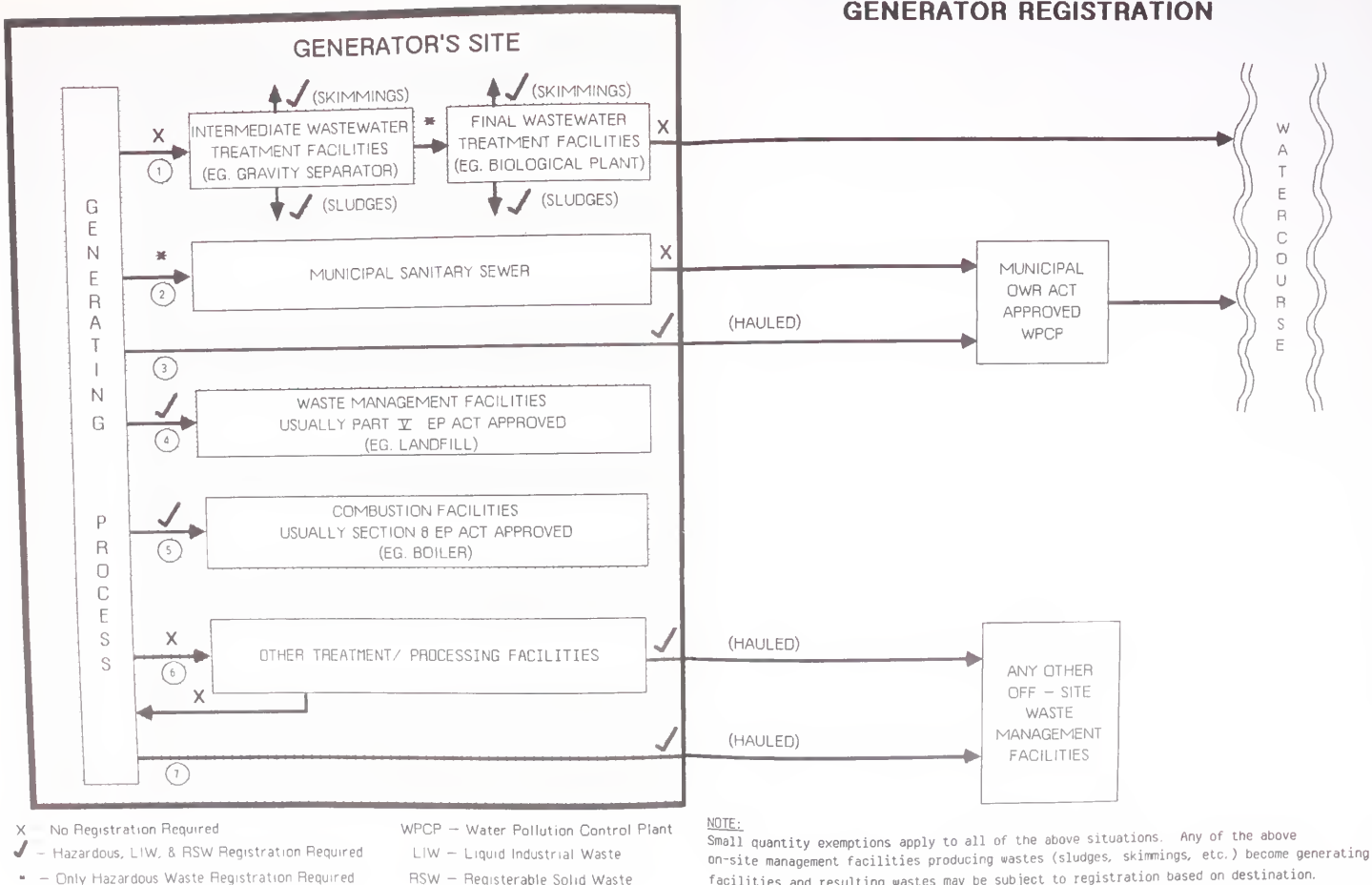
All Subject Wastes that are hauled to an off-site waste management facility are registerable.

NOTE:

Waste management or waste treatment facilities can also be waste generating facilities if residues or discharges from these facilities are Subject Wastes.



FIGURE 2: WASTE STREAMS REQUIRING GENERATOR REGISTRATION





STEP 2 - HOW TO COMPLETE AND FILE YOUR REGISTRATION FORM

DO NOT ATTEMPT STEP 2 UNTIL YOU HAVE FOLLOWED THE FLOWCHART IN STEP 1 THROUGH TO COMPLETION.

If you determine that you are a generator of Subject Wastes, in Step 1 of this manual, you must complete the Generator Registration Report, file it with the Ministry, and obtain a Generator Registration Number by September 17, 1986. Since the report is required by Regulation, you cannot register by alternate methods or forms.

The following provides a detailed description of what is required under each item in the Generator Registration Report. For further clarification see the examples of properly completed reports that are appended to this manual (Appendix 10).

Part 1 - Generator Identification

The Regulation requires that you register with the Ministry, separately for each site where you produce Subject Wastes. The term site is explicitly defined under the subsequent discussion of Items 7 and 8. It is recognized that some large industrial complexes may have several separate sites within a small area. Separate Generator Registration Reports must be filed for each site, however, in the case of large industrial complexes, the Ministry may issue a single acknowledgement and Generator Registration Number to simplify record management and the completion of manifests.

You must identify your organization, the generating site and a company official in Part 1 of the Generator Registration Report. The following provides a line by line explanation.

Item 1:

Check this box if this is a new Generator Registration Report. In some cases a Generator Registration Number may have been pre-assigned to your company by the letter accompanying this manual. If you have a preassigned Generator Registration Number insert it in the allocated spaces.

Item 2:

Check this box if you have previously registered and this report is a revision. Enter your Ontario Generator Registration Number in the spaces provided.

Item 3:

Applicants located outside Ontario should enter the waste registration number assigned by their Provincial/State environmental authority.

Items 4, 5, and 6:

Enter your company name in full, plus the complete mailing address of your head office.

Items 7 and 8:

Enter the location where the wastes listed in Part 2 of the report are generated, even if this site is the same as the mailing address. Each site must be registered separately with the Ministry. Site has been specifically defined and means one property or several contiguous properties, owned or leased by the generator, where passage from one property to the next involves crossing but not travelling along a public highway. Item 8 refers to your local municipality, i.e. city, town, village or township. It does not refer to a post office location, county or regional municipality.

Item 9:

Enter the name and telephone number of a contact person at the generating site. This person should be familiar with the wastes and in charge of their management. He or she should be able to answer technical questions relating to the Generator Registration Report and be able to provide assistance in the event of an emergency.

Item 10:

Enter the 4-digit Canadian Standard Industrial Classification (SIC) code for the facility at the site location identified in Items 7 and 8. A list of Canadian SIC codes has been appended to this manual (see Appendix 3). More than one SIC code can apply to a particular facility. Boxes have been provided for up to three SIC codes. Additional SIC codes can be added in the space just to the right of these boxes.

Item 11:

Enter the total number of wastes, from the site location shown in Items 7 and 8, which are to be registered.

Items 12, 13, 14 and 15:

An official who can act on behalf of the company must sign the report. Consultants or others who are not employees of the company cannot sign. The official's name, position and dated signature must be included. The contact person identified in Item 10 may also be the company official signing the report.

Item 16:

Item 16 will be completed by Ministry staff.

Part 2 - Waste Identification

PART 2 OF THE GENERATOR REGISTRATION REPORT MUST BE COMPLETED FOR EACH SUBJECT WASTE THAT YOU GENERATE AT THE FACILITY IDENTIFIED IN ITEMS 7 AND 8 FROM PART 1 OF THE REPORT. To streamline the review of your wastes, all wastes generated at the same site should be registered at the same time. The following provides an item by item explanation for Part 2 of the report.

Item 1:

Provide a general description of your waste and if appropriate include details such as the physical state, colour, principal components, contaminants and contaminant concentrations.

Do not include results from detailed experimental analyses in this box.

Item 2:

Provide a general description of the generating process for the Subject Waste. Where applicable, include details such as a generic process name, feed materials and products. If your waste is generated by pollution control equipment, provide a description of the process or operation that generated the discharge or emission.

Item 3:

Specify the average quantity of Subject Waste generated or accumulated. If the waste is produced continuously, indicate the amount produced per month. If the waste is produced in batches, indicate the amount per batch and the number of batches per month. These numbers are estimates and it is recognized that they will be subject to change. Re-registration is not required if these quantities change.

Item 4:

Enter the Primary Characteristic found in Step 1 of this guidance manual. The Primary Characteristic is the first characteristic of a waste found using the Waste Identification Flowchart.

Enter the data that caused the above characteristic to be selected during your Step 1 review. For example, if a waste is Corrosive, the pH or the results of the corrosion test should be used. If the waste was found to be Ignitable based on a flash point test, then the results of this test should be indicated. Since most waste characteristics vary, a range of data is acceptable. For characteristics such as Reactivity that do not require specific tests, enter the narrative criteria that best describes your waste.

Specify the laboratory or laboratories used to perform the analyses required to generate the above data. If the data was generated using an on-site laboratory, this should be specified.

Where the data has been estimated and is not based on laboratory analyses of the Subject Waste, indicate the basis for the estimate. Company records or reference texts should be indicated.

In the space provided, insert the MOE Waste Class which you identified during Step 1. This will consist of a 3-digit number plus a single letter, e.g. 263A or 121L.

Space is also provided for a Hazardous Waste Number. This number can be found by reference to the federal Transportation of Dangerous Goods Regulations (TDGR) not Regulation 309. For further information, contact Transport Canada (613-992-4624), Environment Canada (613-997-3376) or the Dangerous Goods Coordinator at the Ministry of Transportation and Communications (416-248-7451). The Hazardous Waste Number will be required on waste manifests to comply with TDGR.

Enter the approximate specific gravity of your waste and in the space provided enter the letter "S", "L" or "G" if your waste is solid, liquid or gaseous (compressed gases), respectively.

Item 5:

If a Secondary Characteristic was found during your Step 1 review, enter this characteristic at this point. Most wastes will not have a Secondary Characteristic.

Enter the analytical data that caused the above characteristic to be identified. A range of data is acceptable.

Part 3 - Waste Management

The Generator Registration Report requires that you identify your principal carrier and receiver for the Subject Wastes listed in Part 2. You do not have to re-register your wastes with the Ministry if you change your carrier or receiver in the future.

Item 1:

Enter the company name, address, and receiver number for the principal waste receiver of the waste you have registered. If you intend to deal with more than one receiver, simply enter the information for the waste receiver that you think will receive the largest portion of the waste you have identified in Part 2. The receiver number to be entered is the number issued by the authority where the facility is located, i.e. U.S. EPA, Province of Quebec, Michigan, etc.

If your waste is discharged to a municipal sanitary sewer or to an on-site wastewater treatment facility, identify the appropriate municipality, or wastewater treatment facility, as the principal intended receiver. Insert the corresponding Certificate of Approval number for the private wastewater treatment facility in the space provided for the receiver number.

If your waste is disposed of in an on-site landfill, indicate this and insert the Certificate of Approval number for the landfill (Part V, Environmental Protection Act).

If your waste is burned on-site then indicate this and insert the Certificate of Approval number for the combustion facility (Section 8, Environmental Protection Act).

If PCB wastes stored on-site are being registered, the words "on-site storage" should be entered.

Item 2:

Enter the company name, address, and Ontario carrier number for your principal waste carrier. This number should be obtained directly from your carrier. Do not complete this section for:

- wastes discharged directly into a municipal sanitary sewer,

- wastes discharged to an on-site wastewater treatment facility,
- PCB wastes being stored on-site,
- wastes disposed of in an on-site landfill,
- wastes burned on-site.

Filing Reports

Completed Generator Registration Reports must be filed with the Ministry before September 17, 1986. If you generate a new waste after this date, or your waste changes from that originally declared, you must re-register. Generator Registration Reports can be submitted to the Ministry by either using the pre-addressed envelope or mailing them to:

Waste Management Branch, Area "M"
Ontario Ministry of the Environment
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

Provisions for emergencies have been provided to ensure that registration does not result in delays. Contact the local regional or district office of this Ministry in the event of such an emergency. Appendix 1 lists all of the regional and district offices of the Ministry of the Environment.

STEP 3 - WHAT HAPPENS AFTER YOUR REPORT HAS BEEN FILED

Acknowledgement of Registration

When your Generator Registration Report is received by the Ministry of the Environment, it will be reviewed initially by the Waste Management Branch to identify any obvious errors and to ensure that all parts of the report have been completed. The report will be returned and amendments required if any errors or omissions are identified during this review.

Following the initial review, the Ministry will send you a document that will acknowledge that your waste is registered. This acknowledgement will provide you with your Generator Registration Number and waste numbers. You must use these numbers on manifests during all subsequent transactions concerning subject wastes that you generate.

Post-Acknowledgement Review

After the Waste Management Branch of the Ministry has conducted the initial review of your Generator Registration Report, it will be forwarded to the district office of the Ministry that is responsible for your facility. The district office will conduct a detailed post-acknowledgement review that may result in requests for additional information or even site visits. The Regulation requires that you supply this information and that the information becomes part of your Generator Registration Report.

When the post-acknowledgement review of your report is complete and the information submitted is considered to be reasonable, no further action will be taken by the Ministry or needs to be taken by you as a waste generator.

It is important for you to note that you, as a waste generator, are responsible for the characterization of your wastes and the information submitted. The Ministry review is only intended to assist you in this process. If your waste is found to be incorrectly characterized or the information on the Generator Registration Report is incorrect even after you have received your "acknowledgement", you are liable for prosecution.

New Manifest (Waybill) Requirements

After September 17, 1985, you will be required to use the new provincial manifest form for all waste transactions. This form has been in effect administratively since July 1, 1985 to enable you to comply with the federal and provincial dangerous goods transportation requirements. An example of this form is included in Regulation 309. Intact manifests will be available through your carrier.

After the date that you have received your "acknowledgement", you must use your "Generator Registration Number" and appropriate waste numbers when completing Part A of the manifest form for every waste load that is hauled off-site.

If you have have not received your "acknowledgement", you must complete the following in Part A of the new manifest.

- (1) Generator name and address
- (2) Waste class (e.g. 211B)
- (3) Intended Receiver

If you require assistance completing the new manifest form, contact the local district office of the Ministry of the Environment (Appendix 1).

Re-Registration

Essentially, generator registration is a one-time requirement. Once a site has been registered it will not need to be re-registered unless there is some significant change in the information originally submitted. Significant changes include:

- change in company name, address or telephone number
- addition of registerable wastes
- change in Waste Characteristic or Waste Class.

As a waste generator, it is your responsibility to complete and submit a supplementary Generator Registration Report if significant changes have occurred. This report must be sent to the Ministry's Waste Management Branch within 15 days of the date the change occurred.

Information Available to the Public

The public will have access to the following information submitted on the Generator Registration Report:

- Company name and address
- Waste numbers
- Volumes generated.

APPENDIX 1

Ministry of the Environment
Regional and District Offices

REGIONAL AND DISTRICT OFFICES

Region	Regional Office	District Office	District Office	District Office	District Office	District Office
SOUTHWESTERN	LONDON	CHATHAM	CLINTON	OWEN SOUND	SARNIA	WINDSOR
	985 Adelaide St. S. London, Ontario N6E 4B3 D.A. McTavish, Reg. Dir.	C/O Min. Ag. & Food P.O. Box 736 435 Grand Ave. W. Chatham, Ont. N7M 5L1	C/O Min. Ag. & Food P.O. Box 688 Clinton, Ontario N0M 1L0	1180-20th Street Suite 109 N4K 6H6 NTT 7X1	265 N. Front Street Suite 109 Sarnia, Ontario N7T 7X1	250 Windsor Ave. 6th Floor Windsor, Ontario N9A 6V9
	813 (519) 661-2200	812 (519) 354-2150	853 (519) 482-3428	840 (519) 371-2901	863 (519) 336-4030	814 (519) 254-2546
WEST-CENTRAL	HAMILTON	CAMBRIDGE	HAMILTON	WELLAND		
	119 King St. W., 12th Fl. P.O. Box 2112 Hamilton, Ontario L8N 3Z9 B.T. Boyko, Reg. Director	400 Clyde Road P.O. Box 219 Cambridge, Ontario N1R 518	119 King St. W., 9th Fl. P.O. Box 2112 Hamilton, Ontario L8N 3Z9	637-641 Niagara Street North Welland, Ontario L3C 1L9		
	811 (416) 521-7640	815 (519) 623-2080	811 (416) 521-7732	866 (416) 735-0431		
CENTRAL	TORONTO	BARRIE	HALTON-PEEL	MUSKOKA-HALIBURTON	PETERBOROUGH	YORK DURHAM
	7 Overlea Blvd. 4th Floor Toronto, Ontario M4H 1A8 G. Mierzynski, Reg. Dir.	12 Fairview Road Barrie, Ontario L4N 4P3	1235 Trafalgar Rd. Suite 401 Oakville, Ontario L6H 3P1	Gravenhurst Plaza General Delivery Peterborough, Ont. K9J 3G6 POC 1G0	139 George St. N. Peterborough, Ont. K9J 3G6	7 Overlea Blvd. 4th Floor Toronto, Ontario M4H 1A8
	424-3000	847 (705) 726-1730	844-5747	846 (705) 687-3408	893 (705) 743-2972	424-3000
SOUTHEASTERN	KINGSTON	BELLEVILLE	CORNWALL	OTTAWA	PEMBROKE	
	P.O. Box 820 133 Dalton St. Kingston, Ontario K7L 4X6 D.N. Jeffs, Reg. Director	15 Victoria Ave. Belleville, Ont. K8N 1Z5	4 Montreal Road 2nd Floor Cornwall, Ontario K6H 1B1	2378 Holly Lane Suite 204 Ottawa, Ontario K1V 7P1	1000 Mackay St. Pembroke, Ontario K8B 1A3	
	823 (613) 549-4000	827 (613) 962-9208	810 (613) 933-7402	821 (613) 521-3950	859 (613) 732-3643	
NORTHEASTERN	SUDBURY	NORTH BAY	PARRY SOUND	SAULT STE. MARIE	TIMMINS	
	11 Fl., 199 Larch St. Sudbury, Ontario P3E 5P9 W.J. Gibson, Reg. Director	1500 Fisher St. North Bay, Ont. P1B 2H3	7a Church St. Parry Sound, Ont. P2A 1Z1	445 Albert St. E. Sault Ste. Marie, Ontario P6A 2J9	83 Algonquin Blvd. W. Timmins, Ontario P4N 2R4	
	841 (705) 675-4501	843 (705) 476-1001	858 (705) 746-2139	842 (705) 949-4640	882 + 705 264-9474	
NORTHWESTERN	THUNDER BAY	KENORA	THUNDER BAY			
	P.O. Box 5000 3rd Fl., 435 James St. S. Kenora, Ont. P7C 5G6 W. Vrooman, Reg. Director	P.O. Box 5150 808 Robertson St. Kenora, Ont. P9N 1X9	P.O. Box 5000 3rd Floor 435 James St. S. Thunder Bay, Ontario P7C 5G6			
	844 (807) 475-1205	884 + 807 468-5578	844 (807) 475-1315			

APPENDIX 2

Ministry of the Environment

Waste Classes

INORGANIC WASTES

Acid Solutions

Examples

- | | | |
|-----|---|--|
| 111 | Spent pickle liquor | - Acid solutions of sulphuric and hydrochloric acids containing ferrous salts from steel pickling. |
| 112 | Acid solutions, sludges and residues containing heavy metals | - Solutions of sulphuric, hydrochloric and nitric acids containing copper, nickel, chromium, zinc, cadmium, tin, lead or other heavy metals; chromic acid waste; acidic emission control sludges from secondary lead smelting. |
| 113 | Acid solutions, sludges and residues containing other metals and non-metals | - Solutions of sulphuric, hydrochloric, hydrofluoric and nitric acids containing sodium, potassium, calcium, magnesium or aluminum; equipment cleaning acids; cation regenerant; reactor acid washes; catalyst acid and acid washes. |
| 114 | Other inorganic acid wastes | - Off-specification acids; by-product hydrochloric acid; dilute acid solutions; acid test residues. |

Alkaline Solutions

- | | | |
|-----|--|--|
| 121 | Alkaline solutions, sludges and residues containing heavy metals | - Metal finishing wastes; plating baths; spent solutions containing metals such as copper, zinc, tin, cadmium; case hardening sludges; spent cyanide destruction residues; dewatered solids from metal and cyanide finishing wastes and cyanide destruction. |
| 122 | Alkaline solutions, sludges and residues containing other metals and non-metals, not containing cyanides | - Alkaline solutions from aluminum surface coating and etching; alkali cleaner wastes; waste lime sludges and slurries; anion regenerants. |
| 123 | Alkaline phosphates | - Bonding wastes; zinc phosphates; ferrous phosphates; phosphate cleaners. |

Aqueous Salts

- 131 Neutralized solutions, sludges and residues containing heavy metals
- 132 Neutralized solutions, sludges and residues containing other metals
- 133 Brines, chlor-alkali sludges and residues
- 134 Wastes containing sulphides
- 135 Wastes containing other reactive anions

Examples

- Metal finishing waste treatment sludges containing copper, nickel, chromium, zinc or cadmium; neutral salt bath sludges and washes; lime sludge from metal finishing waste treatment; dewatered solids from these processes.
- Aluminum surface coating treatment sludges; alum and gypsum sludges.
- Waste brines from chlor-alkali plants; neutralized hydrochloric acid; brine treatment sludges; dewatered solids from brine treatment.
- Petroleum aqueous refinery condensates.
- Wastes containing chlorates; hypochlorite; bromate or thiosulphate.

Miscellaneous Inorganic Wastes and Mixed Wastes

Examples

- | | | |
|-----|---|--|
| 141 | Inorganic wastes from pigment manufacturing | <ul style="list-style-type: none"> - Wastewaters and sludges from the production of chrome yellow, molybdate orange, zinc yellow, chrome green and iron pigments; dewatered solids from these sources. |
| 142 | Primary lead, zinc and copper smelting wastes | <ul style="list-style-type: none"> - Slurries, sludges and surface impoundment solids; treatment plant sludges; anode slimes and leachate residues; dewatered solids from these sources. |
| 143 | Residues from steel making | <ul style="list-style-type: none"> - Emission control sludges and dusts; precipitator residues from steel plants; dewatered solids from these sources. |
| 144 | Liquid tannery waste sludges | <ul style="list-style-type: none"> - Lime waste mixtures; chrome tan liquors; dehairing solutions and sludges. |
| 145 | Wastes from the use of paints, pigments and coatings | <ul style="list-style-type: none"> - Paint spray booth sludges and wastes; paper coating wastes; ink sludges; paint sludges. |
| 146 | Other specified inorganic sludges, slurries or solids | <ul style="list-style-type: none"> - Flue gas scrubber wastes; wet fly ash; dust collector wastes; metal dust and abrasives wastes; foundry sands; mud sediment and water; tank bottoms from waste storage tanks that contained mixed inorganic wastes; heavy sludges from waste screening/filtration at transfer/processing sites not otherwise specified in this table. |
| 147 | Chemical fertilizer wastes | <ul style="list-style-type: none"> - Solutions, sludges and residues containing ammonia, urea, nitrates and phosphates from nitrogen fertilizer plants. |
| 148 | Miscellaneous waste inorganic chemicals | <ul style="list-style-type: none"> - Waste inorganic chemicals including laboratory, surplus or off-specification chemicals, that are not otherwise specified in this table. |
| 149 | Landfill leachate | <ul style="list-style-type: none"> - Surface run-off and leachate collected from landfill sites. |
| 150 | Inert inorganic wastes | <ul style="list-style-type: none"> - Sand and water from catch basins at car washes; slurries from the polishing and cutting of marble. |

ORGANIC WASTES

Non-halogenated Spent Solvents

Examples

- | | | |
|-----|---------------------------------|--|
| 211 | Aromatic solvents and residues | - Benzene, toluene, xylene solvents and residues. |
| 212 | Aliphatic solvents and residues | - Acetone, methylethylketone and residues, alcohols, cyclohexane and residues. |
| 213 | Petroleum distillates | - Varsol, white spirits and petroleum distillates, thinners. |

Fuels

- | | | |
|-----|-------------|---|
| 221 | Light fuels | - Gasoline, kerosene, diesel, tank drainings/washings/bottoms, spill clean-up residues. |
| 222 | Heavy fuels | - Bunker, asphalts, tank drainings/washings/bottoms, spill clean-up residues. |

Resins and Plastics

- | | | |
|-----|------------------------|--|
| 231 | Latex wastes | - Waste latexes, latex crumb and residues. |
| 232 | Polymetric resins | - Polyester, epoxy, urethane, phenolic resins, intermediates and solvent mixtures. |
| 233 | Other polymeric wastes | - Off-specification materials, discarded materials from reactors. |

Halogenated Organic Wastes

Examples

- | | | |
|-----|---------------------------------------|---|
| 241 | Halogenated solvents and residues | - Spent halogenated solvents and residues such as perchloroethylene, trichloroethylene and carbon tetrachloride (dry cleaning solvents); halogenated still bottoms; residues and catalysts from halogenated hydrocarbon manufacturing or recycling processes. |
| 242 | Halogenated pesticides and herbicides | - 2,4-D, 2,4,5-T wastes, chlordane, mirex, silvex, pesticide solutions and residues. |
| 243 | Polychlorinated biphenyls (PCB) | - Askarel liquids such as Aroclor, Pydraul, Pyranol, Therminols, Inerteen, and other PCB contaminated materials. |

Oily Wastes

- | | | |
|-----|---|---|
| 251 | Waste oils/sludges (petroleum based) | - Oil/water separator sludge; dissolved air flotation skimming; heavy oil tank drainage; slop oil and emulsions. |
| 252 | Waste crankcase oils and lubricants | - Collected service station waste oils; industrial lubricants; bulk waste oils. |
| 253 | Emulsified oils | - Soluble oils; waste cutting oils; machine oils. |
| 254 | Oily water/waste oil from waste transfer/processing sites | - Waste oil and oily water limited to classes 251, 252 and 253 that have been bulked/blended/processed at a waste transfer/processing site. |

Miscellaneous Organic Wastes and Mixed Wastes

Examples

- | | | |
|-----|--|--|
| 261 | Pharmaceuticals | - Pharmaceutical and veterinary pharmaceutical wastes other than biologicals and vaccines; solid residues and liquids from veterinary arsenical compounds. |
| 262 | Detergents and soaps | - Laundry wastes. |
| 263 | Miscellaneous waste organic chemicals | - Waste organic chemicals including laboratory surplus or off-specification chemicals that are not otherwise specified in this table. |
| 264 | Photoprocessing wastes | - Photochemical solutions, washes and sludges. |
| 265 | Graphic arts wastes | - Adhesives; glues; miscellaneous washes; etch solutions. |
| 266 | Phenolic waste streams | - Cresylic acid; caustic phenolates; phenolic oils; creosote. |
| 267 | Organic acids | - Carboxylic or fatty acids; formic, acetic, propionic acid wastes; sulphamic and other organic acids that may be amenable to incineration. |
| 268 | Amines | - Waste ethanalamines; urea; tolidene; Flexzone waste; Monex waste. |
| 269 | Organic non-halogenated pesticide and herbicide wastes | - Organophosphorus chemical wastes; arsenicals; wastes from MSMA and cacodylic acid. |
| 270 | Other specified organic sludges, slurries and solids | - Tank bottoms from mixed organic waste bulking tanks at waste transfer sites; mixed sludges from waste screening/filtration at waste transfer/processing sites not otherwise specified in this table. |

Processed Organic Wastes from Transfer Stations

Examples

- 281 Non-halogenated rich organics
 - Blended/bulked non-halogenated solvents, oils and other rich organics prepared at transfer/processing sites for incineration.
- 282 Non-halogenated lean organics
 - Blended/bulked aqueous wastes prepared at transfer/processing sites for incineration and contaminated with non-halogenated solvents, non-halogenated oils and other non-halogenated organics.

Plant and Animal Wastes

- 311 Organic tannery wastes
 - Fleshings; trimmings; vegetable tan liquors; Bate solutions
- 312 Pathological wastes
 - Human anatomical waste; infected animal carcasses; other non-anatomical waste infected with communicable diseases; biologicals and vaccines.

Explosive Manufacturing Wastes

- 321 Wastes from the manufacture of explosives and detonation products
 - Wastewater treatment sludges; spent carbon; red/pink waters from TNT manufacturing; residues from lead base initiating compounds.

Compressed Gases

- 331 Waste compressed gases, including cylinders
 - Methane (natural gas); nitrous or nitric oxide; propane; butane.

APPENDIX 3

Canadian Standard Industrial
Classification Codes

CLASSIFICATION STRUCTURE

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

DIVISION A — AGRICULTURAL AND RELATED SERVICE INDUSTRIES

Major Group 01 — Agricultural Industries

- 011 Livestock Farms (Except Animal Specialties)
 - 0111 Dairy Farms
 - 0112 Cattle Farms
 - 0113 Hog Farms
 - 0114 Poultry and Egg Farms
 - 0115 Sheep and Goat Farms
 - 0119 Livestock Combination Farms
- 012 Other Animal Specialty Farms
 - 0121 Honey and Other Apiary Product Farms
 - 0122 Horse and Other Equine Farms
 - 0123 Furs and Skins, Ranch
 - 0129 Other Animal Specialty Farms n.e.c.
- 013 Field Crop Farms
 - 0131 Wheat Farms
 - 0132 Small-Grain Farms (Except Wheat)
 - 0133 Oilseed Farms (Except Corn)
 - 0134 Grain Corn Farms
 - 0135 Forage, Seed and Hay Farms
 - 0136 Dry Field Pea and Bean Farms
 - 0137 Tobacco Farms
 - 0138 Potato Farms
 - 0139 Other Field Crop Farms
- 014 Field Crop Combination Farms
 - 0141 Field Crop Combination Farms
- 015 Fruit and Other Vegetable Farms
 - 0151 Fruit Farms
 - 0152 Other Vegetable Farms
 - 0159 Fruit and Vegetable Combination Farms
- 016 Horticultural Specialties
 - 0161 Mushrooms
 - 0162 Greenhouse Products
 - 0163 Nursery Products
 - 0169 Other Horticultural Specialties
- 017 Livestock, Field Crop and Horticultural Combination Farms

0171 Livestock, Field Crop and Horticultural Combination Farms

Major Group 02 — Service Industries Incidental to Agriculture

- 021 Services Incidental to Livestock and Animal Specialties
 - 0211 Veterinary Services
 - 0212 Farm Animal Breeding Services (Except Poultry)
 - 0213 Poultry Services
 - 0219 Other Services Incidental to Livestock and Animal Specialties
- 022 Services Incidental to Agricultural Crops
 - 0221 Soil Preparation, Planting and Cultivating Services
 - 0222 Crop Dusting and Spraying Services
 - 0223 Harvesting, Baling and Threshing Services
 - 0229 Other Services Incidental to Agricultural Crops
- 023 Other Services Incidental to Agriculture
 - 0231 Agricultural Management and Consulting Services
 - 0239 Other Services Incidental to Agriculture n.e.c.

DIVISION B — FISHING AND TRAPPING INDUSTRIES

Major Group 03 — Fishing and Trapping Industries

- 031 Fishing Industries
 - 0311 Salt Water Fishing Industry
 - 0312 Inland Fishing Industry
- 032 Services Incidental to Fishing
 - 0321 Services Incidental to Fishing
- 033 Trapping
 - 0331 Furs and Skins, Wild
 - 0339 Other Trapping

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

DIVISION C — LOGGING AND FORESTRY INDUSTRIES

Major Group 04 — Logging Industry

- 041 Logging Industry
- 0411 Logging Industry

Major Group 05 — Forestry Services Industry

- 051 Forestry Services Industry
- 0511 Forestry Services Industry

DIVISION D — MINING (INCLUDING MILLING), QUARRYING AND OIL WELL INDUSTRIES

Major Group 06 — Mining Industries

- 061 Metal Mines
 - 0611 Gold Mines
 - 0612 Copper and Copper-Zinc Mines
 - 0613 Nickel-Copper Mines
 - 0614 Silver-Lead-Zinc Mines
 - 0615 Molybdenum Mines
 - 0616 Uranium Mines
 - 0617 Iron Mines
 - 0619 Other Metal Mines
- 062 Non-Metal Mines (Except Coal)
 - 0621 Asbestos Mines
 - 0622 Peat Industry
 - 0623 Gypsum Mines
 - 0624 Potash Mines
 - 0625 Salt Mines
 - 0629 Other Non-Metal Mines (Except Coal)
- 063 Coal Mines
 - 0631 Bituminous Coal Mines
 - 0632 Subbituminous Coal Mines
 - 0633 Lignite Mines

Major Group 07 — Crude Petroleum and Natural Gas Industries

- 071 Crude Petroleum and Natural Gas Industries
 - 0711 Conventional Crude Oil and Natural Gas Industry
 - 0712 Non-Conventional Crude Oil Industry

Major Group 08 — Quarry and Sand Pit Industries

- 081 Stone Quarries
 - 0811 Granite Quarries
 - 0812 Limestone Quarries
 - 0813 Marble Quarries
 - 0814 Sandstone Quarries
 - 0815 Shale Quarries
- 082 Sand and Gravel Pits
 - 0821 Sand and Gravel Pits

Major Group 09 — Service Industries Incidental to Mineral Extraction

- 091 Service Industries Incidental to Crude Petroleum and Natural Gas
 - 0911 Contract Drilling, Oil and Gas Industry
 - 0919 Other Service Industries Incidental to Crude Petroleum and Natural Gas
- 092 Service Industries Incidental to Mining
 - 0921 Contract Drilling Industry (Except Oil and Gas)
 - 0929 Other Service Industries Incidental to Mining

DIVISION E — MANUFACTURING INDUSTRIES

Major Group 10 — Food Industries

- 101 Meat and Poultry Products Industries
 - 1011 Meat and Meat Products Industry (Except Poultry)
 - 1012 Poultry Products Industry
- 102 Fish Products Industry
 - 1021 Fish Products Industry
- 103 Fruit and Vegetable Industries
 - 1031 Canned and Preserved Fruit and Vegetable Industry
 - 1032 Frozen Fruit and Vegetable Industry
- 104 Dairy Products Industries
 - 1041 Fluid Milk Industry
 - 1049 Other Dairy Products Industries
- 105 Flour, Prepared Cereal Food and Feed Industries
 - 1051 Cereal Grain Flour Industry
 - 1052 Prepared Flour Mixes and Prepared Cereal Foods Industry
 - 1053 Feed Industry

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 106 Vegetable Oil Mills (Except Corn Oil)
1061 Vegetable Oil Mills (Except Corn Oil)
- 107 Bakery Products Industries
1071 Biscuit Industry
1072 Bread and Other Bakery Products Industry
- 108 Sugar and Sugar Confectionery Industries
1081 Cane and Beet Sugar Industry
1082 Chewing Gum Industry
1083 Sugar and Chocolate Confectionery Industry

- 109 Other Food Products Industries
1091 Tea and Coffee Industry
1092 Dry Pasta Products Industry
1093 Potato Chip, Pretzel and Popcorn Industry
1094 Malt and Malt Flour Industry
1099 Other Food Products Industries n.e.c.

Major Group 11 — Beverage Industries

- 111 Soft Drink Industry
1111 Soft Drink Industry
- 112 Distillery Products Industry
1121 Distillery Products Industry
- 113 Brewery Products Industry
1131 Brewery Products Industry
- 114 Wine Industry
1141 Wine Industry

Major Group 12 — Tobacco Products Industries

- 121 Leaf Tobacco Industry
1211 Leaf Tobacco Industry
- 122 Tobacco Products Industry
1221 Tobacco Products Industry

Major Group 15 — Rubber Products Industries

- 151 Tire and Tube Industry
1511 Tire and Tube Industry
- 152 Rubber Hose and Belting Industry
1521 Rubber Hose and Belting Industry
- 159 Other Rubber Products Industries
1599 Other Rubber Products Industries

Major Group 16 — Plastic Products Industries

- 161 Foamed and Expanded Plastic Products Industry
1611 Foamed and Expanded Plastic Products Industry
- 162 Plastic Pipe and Pipe Fittings Industry
1621 Plastic Pipe and Pipe Fittings Industry
- 163 Plastic Film and Sheeting Industry
1631 Plastic Film and Sheeting Industry
- 169 Other Plastic Products Industries
1691 Plastic Bag Industry
1699 Other Plastic Products Industries n.e.c.

Major Group 17 — Leather and Allied Products Industries

- 171 Leather and Allied Products Industries
1711 Leather Tanneries
1712 Footwear Industry
1713 Luggage, Purse and Handbag Industry
1719 Other Leather and Allied Products Industries

Major Group 18 — Primary Textile Industries

- 181 Man-Made Fibre and Filament Yarn Industry
1811 Man-Made Fibre and Filament Yarn Industry
- 182 Spun Yarn and Woven Cloth Industries
1821 Wool Yarn and Woven Cloth Industry
1829 Other Spun Yarn and Woven Cloth Industries
- 183 Broad Knitted Fabric Industry
1831 Broad Knitted Fabric Industry

Major Group 19 — Textile Products Industries

- 191 Natural Fibres Processing and Felt Products Industry
1911 Natural Fibres Processing and Felt Products Industry
- 192 Carpet, Mat and Rug Industry
1921 Carpet, Mat and Rug Industry
- 193 Canvas and Related Products Industry
1931 Canvas and Related Products Industry
- 199 Other Textile Products Industries
1991 Narrow Fabric Industry
1992 Contract Textile Dyeing and Finishing Industry
1993 Household Products of Textile Materials Industry
1994 Hygiene Products of Textile Materials Industry
1995 Tire Cord Fabric Industry

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

1999 Other Textile Products Industries n.e.c.

Major Group 24 — Clothing Industries

- 243 Men's and Boys' Clothing Industries
 - 2431 Men's and Boys' Coat Industry
 - 2432 Men's and Boys' Suit and Jacket Industry
 - 2433 Men's and Boys' Pants Industry
 - 2434 Men's and Boys' Shirt and Underwear Industry
 - 2435 Men's and Boys' Clothing Contractors
- 244 Women's Clothing Industries
 - 2441 Women's Coat and Jacket Industry
 - 2442 Women's Sportswear Industry
 - 2443 Women's Dress Industry
 - 2444 Women's Blouse and Shirt Industry
 - 2445 Women's Clothing Contractors
- 245 Children's Clothing Industry
 - 2451 Children's Clothing Industry
- 249 Other Clothing and Apparel Industries
 - 2491 Sweater Industry
 - 2492 Occupational Clothing Industry
 - 2493 Glove Industry
 - 2494 Hosiery Industry
 - 2495 Fur Goods Industry
 - 2496 Foundation Garment Industry
 - 2499 Other Clothing and Apparel Industries n.e.c.

Major Group 25 — Wood Industries

- 251 Sawmill, Planing Mill and Shingle Mill Products Industries
 - 2511 Shingle and Shake Industry
 - 2512 Sawmill and Planing Mill Products Industry (Except Shingles and Shakes)
- 252 Veneer and Plywood Industries
 - 2521 Hardwood Veneer and Plywood Industry
 - 2522 Softwood Veneer and Plywood Industry
- 254 Sash, Door and Other Millwork Industries
 - 2541 Prefabricated Wooden Buildings Industry
 - 2542 Wooden Kitchen Cabinet and Bathroom Vanity Industry
 - 2543 Wooden Door and Window Industry
 - 2549 Other Millwork Industries
- 256 Wooden Box and Pallet Industry
 - 2561 Wooden Box and Pallet Industry

- 258 Coffin and Casket Industry
 - 2581 Coffin and Casket Industry

- 259 Other Wood Industries
 - 2591 Wood Preservation Industry
 - 2592 Particle Board Industry
 - 2593 Wafer Board Industry
 - 2599 Other Wood Industries n.e.c.

Major Group 26 — Furniture and Fixture Industries

- 261 Household Furniture Industries
 - 2611 Wooden Household Furniture Industry
 - 2612 Upholstered Household Furniture Industry
 - 2619 Other Household Furniture Industries
- 264 Office Furniture Industries
 - 2641 Metal Office Furniture Industry
 - 2649 Other Office Furniture Industries
- 269 Other Furniture and Fixture Industries
 - 2691 Bed Spring and Mattress Industry
 - 2692 Hotel, Restaurant and Institutional Furniture and Fixture Industry
 - 2699 Other Furniture and Fixture Industries n.e.c.

Major Group 27 — Paper and allied Products Industries

- 271 Pulp and Paper Industries
 - 2711 Pulp Industry
 - 2712 Newsprint Industry
 - 2713 Paperboard Industry
 - 2714 Building Board Industry
 - 2719 Other Paper Industries
- 272 Asphalt Roofing Industry
 - 2721 Asphalt Roofing Industry
- 273 Paper Box and Bag Industries
 - 2731 Folding Carton and Set-Up Box Industry
 - 2732 Corrugated Box Industry
 - 2733 Paper Bag Industry
- 279 Other Converted Paper Products Industries
 - 2791 Coated and Treated Paper Industry
 - 2792 Stationery Paper Products Industry
 - 2793 Paper Consumer Products Industry
 - 2799 Other Converted Paper Products Industries n.e.c.

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

Major Group 28 — Printing, Publishing and Allied Industries

- 281 Commercial Printing Industries
 - 2811 Business Forms Printing Industry
 - 2819 Other Commercial Printing Industries
- 282 Platemaking, Typesetting and Bindery Industry
 - 2821 Platemaking, Typesetting and Bindery Industry
- 283 Publishing Industries
 - 2831 Book Publishing Industry
 - 2839 Other Publishing Industries
- 284 Combined Publishing and Printing Industries
 - 2841 Newspaper, Magazine and Periodical (Combined Publishing and Printing) Industry
 - 2849 Other Combined Publishing and Printing Industries

Major Group 29 — Primary Metal Industries

- 291 Primary Steel Industries
 - 2911 Ferro-Alloys Industry
 - 2912 Steel Foundries
 - 2919 Other Primary Steel Industries
- 292 Steel Pipe and Tube Industry
 - 2921 Steel Pipe and Tube Industry
- 294 Iron Foundries
 - 2941 Iron Foundries
- 295 Non-Ferrous Metal Smelting and Refining Industries
 - 2951 Primary Production of Aluminum Industry
 - 2959 Other Primary Smelting and Refining of Non-Ferrous Metal Industries
- 296 Aluminum Rolling, Casting and Extruding Industry
 - 2961 Aluminum Rolling, Casting and Extruding Industry
- 297 Copper and Copper Alloy Rolling, Casting and Extruding Industry
 - 2971 Copper and Copper Alloy Rolling, Casting and Extruding Industry
- 299 Other Rolled, Cast and Extruded Non-Ferrous Metal Products Industries
 - 2999 Other Rolled, Cast and Extruded Non-Ferrous Metal Products Industries

Major Group 30 — Fabricated Metal Products Industries (Except Machinery and Transportation Equipment Industries)

- 301 Power Boiler and Heat Exchanger Industry
 - 3011 Power Boiler and Heat Exchanger Industry
- 302 Fabricated Structural Metal Products Industries
 - 3021 Metal Tanks (Heavy Gauge) Industry
 - 3022 Plate Work Industry
 - 3023 Pre-Engineered Metal Buildings Industry (Except Portable)
 - 3029 Other Fabricated Structural Metal Products Industries
- 303 Ornamental and Architectural Metal Products Industries
 - 3031 Metal Door and Window Industry
 - 3032 Prefabricated Portable Metal Buildings Industry
 - 3039 Other Ornamental and Architectural Metal Products Industries
- 304 Stamped, Pressed and Coated Metal Products Industries
 - 3041 Custom Coating of Metal Products Industry
 - 3042 Metal Closure and Container Industry
 - 3049 Other Stamped and Pressed Metal Products Industries
- 305 Wire and Wire Products Industries
 - 3051 Upholstery and Coil Spring Industry
 - 3052 Wire and Wire Rope Industry
 - 3053 Industrial Fastener Industry
 - 3059 Other Wire Products Industries
- 306 Hardware, Tool and Cutlery Industries
 - 3061 Basic Hardware Industry
 - 3062 Metal Dies, Moulds and Patterns Industry
 - 3063 Hand Tool and Implement Industry
 - 3069 Other Hardware and Cutlery Industries
- 307 Heating Equipment Industry
 - 3071 Heating Equipment Industry
- 308 Machine Shop Industry
 - 3081 Machine Shop Industry
- 309 Other Metal Fabricating Industries
 - 3091 Metal Plumbing Fixtures and Fittings Industry
 - 3092 Metal Valve Industry
 - 3099 Other Metal Fabricating Industries n.e.c.

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

Major Group 31 — Machinery Industries (Except Electrical Machinery)

- 311 Agricultural Implement Industry
3111 Agricultural Implement Industry
- 312 Commercial Refrigeration and Air Conditioning
Equipment Industry
3121 Commercial Refrigeration and Air Conditioning
Equipment Industry
- 319 Other Machinery and Equipment Industries
3191 Compressor, Pump and Industrial Fan Industry
3192 Construction and Mining Machinery and
Materials Handling Equipment Industry
3193 Sawmill and Woodworking Machinery Industry
3194 Turbine and Mechanical Power Transmission
Equipment Industry
3199 Other Machinery and Equipment Industries n.e.c.

Major Group 32 — Transportation Equipment Industries

- 321 Aircraft and Aircraft Parts Industry
3211 Aircraft and Aircraft Parts Industry
- 323 Motor Vehicle Industry
3231 Motor Vehicle Industry
- 324 Truck and Bus Body and Trailer Industries
3241 Truck and Bus Body Industry
3242 Commercial Trailer Industry
3243 Non-Commercial Trailer Industry
3244 Mobile Home Industry
- 325 Motor Vehicle Parts and Accessories Industries
3251 Motor Vehicle Engine and Engine Parts Industry
3252 Motor Vehicle Wiring Assemblies Industry
3253 Motor Vehicle Stampings Industry
3254 Motor Vehicle Steering and Suspension Parts
Industry
3255 Motor Vehicle Wheel and Brake Industry
3256 Plastic Parts and Accessories for Motor Vehicles
Industry
3257 Motor Vehicle Fabric Accessories Industry
3259 Other Motor Vehicle Accessories, Parts and
Assemblies Industries
- 326 Railroad Rolling Stock Industry
3261 Railroad Rolling Stock Industry
- 327 Shipbuilding and Repair Industry
3271 Shipbuilding and Repair Industry

- 328 Boatbuilding and Repair Industry
3281 Boatbuilding and Repair Industry
- 329 Other Transportation Equipment Industries
3299 Other Transportation Equipment Industries

Major Group 33 — Electrical and Electronic Products Industries

- 331 Small Electrical Appliance Industry
3311 Small Electrical Appliance Industry
- 332 Major Appliance Industry (Electric and Non-Electric)
3321 Major Appliance Industry (Electric and Non-
Electric)
- 333 Electric Lighting Industries
3331 Lighting Fixture Industry
3332 Electric Lamp and Shade Industry (Except Bulb
and Tube)
3333 Electric Lamp (Bulb and Tube) Industry
- 334 Record Player, Radio and Television Receiver Industries
3341 Record Player, Radio and Television Receiver
Industry
- 335 Communication and Other Electronic Equipment
Industries
3351 Telecommunication Equipment Industry
3352 Electronic Parts and Components Industry
3359 Other Communication and Electronic Equipment
Industries
- 336 Office, Store and Business Machine Industries
3361 Electronic Computing and Peripheral Equipment
Industry
3362 Electronic Office, Store and Business Machine
Industry
3369 Other Office, Store and Business Machine
Industries
- 337 Electrical Industrial Equipment Industries
3371 Electrical Transformer Industry
3372 Electrical Switchgear and Protective Equipment
Industry
3379 Other Electrical Industrial Equipment Industries
- 338 Communications and Energy Wire and Cable Industries
3381 Communications and Energy Wire and Cable
Industry
- 339 Other Electrical Products Industries
3391 Battery Industry
3392 Non-Current Carrying Wiring Devices Industry
3399 Other Electrical Products Industries n.e.c.

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

Major Group 35 — Non-Metallic Mineral Products Industries

- 351 Clay Products Industries
 - 3511 Clay Products Industry (From Domestic Clay)
 - 3512 Clay Products Industry (From Imported Clay)
- 352 Hydraulic Cement Industry
 - 3521 Hydraulic Cement Industry
- 354 Concrete Products Industries
 - 3541 Concrete Pipe Industry
 - 3542 Structural Concrete Products Industry
 - 3549 Other Concrete Products Industries
- 355 Ready-Mix Concrete Industry
 - 3551 Ready-Mix Concrete Industry
- 356 Glass and Glass Products Industries
 - 3561 Primary Glass and Glass Containers Industry
 - 3562 Glass Products Industry (Except Glass Containers)
- 357 Abrasives Industry
 - 3571 Abrasives Industry
- 358 Lime Industry
 - 3581 Lime Industry
- 359 Other Non-Metallic Mineral Products Industries
 - 3591 Refractories Industry
 - 3592 Asbestos Products Industry
 - 3593 Gypsum Products Industry
 - 3594 Non-Metallic Mineral Insulating Materials Industry
 - 3599 Other Non-Metallic Mineral Products Industries n.e.c.

Major Group 36 — Refined Petroleum and Coal Products Industries

- 361 Refined Petroleum Products Industries
 - 3611 Refined Petroleum Products Industry (Except Lubricating Oil and Grease)
 - 3612 Lubricating Oil and Grease Industry
- 369 Other Petroleum and Coal Products Industries
 - 3699 Other Petroleum and Coal Products Industries

Major Group 37 — Chemical and Chemical Products Industries

- 371 Industrial Chemicals Industries n.e.c.
 - 3711 Industrial Inorganic Chemical Industries n.e.c.

3712 Industrial Organic Chemical Industries n.e.c.

- 372 Agricultural Chemical Industries
 - 3721 Chemical Fertilizer and Fertilizer Materials Industry
 - 3722 Mixed Fertilizer Industry
 - 3729 Other Agricultural Chemical Industries
- 373 Plastic and Synthetic Resin Industry
 - 3731 Plastic and Synthetic Resin Industry
- 374 Pharmaceutical and Medicine Industry
 - 3741 Pharmaceutical and Medicine Industry
- 375 Paint and Varnish Industry
 - 3751 Paint and Varnish Industry
- 376 Soap and Cleaning Compounds Industry
 - 3761 Soap and Cleaning Compounds Industry
- 377 Toilet Preparations Industry
 - 3771 Toilet Preparations Industry
- 379 Other Chemical Products Industries
 - 3791 Printing Ink Industry
 - 3792 Adhesives Industry
 - 3799 Other Chemical Products Industries n.e.c.

Major Group 39 — Other Manufacturing Industries

- 391 Scientific and Professional Equipment Industries
 - 3911 Indicating, Recording and Controlling Instrument Industry
 - 3912 Other Instruments and Related Products Industry
 - 3913 Clock and Watch Industry
 - 3914 Ophthalmic Goods Industry
- 392 Jewellery and Precious Metal Industries
 - 3921 Jewellery and Silverware Industry
 - 3922 Precious Metal Secondary Refining Industry
- 393 Sporting Goods and Toy Industries
 - 3931 Sporting Goods Industry
 - 3932 Toys and Games Industry
- 397 Sign and Display Industry
 - 3971 Sign and Display Industry
- 399 Other Manufactured Products Industries
 - 3991 Broom, Brush and Mop Industry
 - 3992 Button, Buckle and Clothes Fastener Industry
 - 3993 Floor Tile, Linoleum and Coated Fabric Industry

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 3994 Musical Instrument and Sound Recording Industry
- 3999 Other Manufactured Products Industries n.e.c.

DIVISION F — CONSTRUCTION INDUSTRIES

Major Group 40 — Building, Developing and General Contracting Industries

- 401 Residential Building and Development
 - 4011 Single Family Housing
 - 4012 Apartment and Other Multiple Housing
 - 4013 Residential Renovation
- 402 Non-Residential Building and Development
 - 4021 Manufacturing and Light Industrial Building
 - 4022 Commercial Building
 - 4023 Institutional Building
- Major Group 41 — Industrial and Heavy (Engineering) Construction Industries
 - 411 Industrial Construction (Other Than Buildings)
 - 4111 Power Plants (Except Hydroelectric)
 - 4112 Gas, Oil and Other Energy Related Structures (Except Pipelines)
 - 4113 Gas and Oil Pipelines
 - 4119 Other Industrial Construction
 - 412 Highway and Heavy Construction
 - 4121 Highways, Streets and Bridges
 - 4122 Waterworks and Sewage Systems
 - 4123 Hydroelectric Power Plants and Related Structures (Except Transmission Lines)
 - 4124 Power and Telecommunication Transmission Lines
 - 4129 Other Heavy Construction

Major Group 42 — Trade Contracting Industries

- 421 Site Work
 - 4211 Wrecking and Demolition
 - 4212 Water Well Drilling
 - 4213 Septic System Installation
 - 4214 Excavating and Grading
 - 4215 Equipment Rental (With Operator)
 - 4216 Asphalt Paving
 - 4217 Fencing Installation
 - 4219 Other Site Work

- 422 Structural and Related Work
 - 4221 Piledriving Work
 - 4222 Form Work
 - 4223 Steel Reinforcing
 - 4224 Concrete Pouring and Finishing
 - 4225 Precast Concrete Installation
 - 4226 Rough and Framing Carpentry
 - 4227 Structural Steel Erection
 - 4229 Other Structural and Related Work
- 423 Exterior Close-In Work
 - 4231 Masonry Work
 - 4232 Siding Work
 - 4233 Glass and Glazing Work
 - 4234 Insulation Work
 - 4235 Roof Shingling
 - 4236 Sheet Metal and Built-Up Roofing
 - 4239 Other Exterior Close-In Work
- 424 Plumbing, Heating and Air Conditioning, Mechanical Work
 - 4241 Plumbing
 - 4242 Dry Heating and Gas Piping Work
 - 4243 Wet Heating and Air Conditioning Work
 - 4244 Sheet Metal and Other Duct Work
- 425 Mechanical Specialty Work
 - 4251 Process Piping Work
 - 4252 Automatic Sprinkler System Installation
 - 4253 Commercial Refrigeration Work
 - 4254 Environmental Control Work
 - 4255 Millwright and Rigging
 - 4256 Thermal Insulation Work
 - 4259 Other Mechanical Specialty Work
- 426 Electrical Work
 - 4261 Electrical Work
- 427 Interior and Finishing Work
 - 4271 Plastering and Stucco Work
 - 4272 Drywall Work
 - 4273 Acoustical Work
 - 4274 Finish Carpentry
 - 4275 Painting and Decorating Work
 - 4276 Terrazzo and Tile Work
 - 4277 Hardwood Flooring Installation
 - 4278 Resilient Flooring and Carpet Work
 - 4279 Other Interior and Finishing Work
- 429 Other Trade Work
 - 4291 Elevator and Escalator Installation

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 4292 Ornamental and Miscellaneous Fabricated Metal Installation
- 4293 Residential Swimming Pool Installation
- 4299 Other Trade Work n.e.c.

Major Group 44 — Service Industries Incidental to Construction

- 441 Project Management, Construction
 - 4411 Project Management, Construction
- 449 Other Services Incidental to Construction
 - 4491 Land Developers
 - 4499 Other Services Incidental to Construction n.e.c.

DIVISION G — TRANSPORTATION AND STORAGE INDUSTRIES

Major Group 45 — Transportation Industries

- 451 Air Transport Industries
 - 4511 Scheduled Air Transport Industry
 - 4512 Non-Scheduled Air Transport, Chartered, Industry
 - 4513 Non-Scheduled Air Transport, Specialty, Industry
- 452 Service Industries Incidental to Air Transport
 - 4521 Airport Operations Industry
 - 4522 Aircraft Rental Industry
 - 4523 Aircraft Servicing Industry
 - 4529 Other Service Industries Incidental to Air Transport
- 453 Railway Transport and Related Service Industries
 - 4531 Railway Transport Industry
 - 4532 Service Industry Incidental to Railway Transport
- 454 Water Transport Industries
 - 4541 Freight and Passenger Water Transport Industry
 - 4542 Ferry Industry
 - 4543 Marine Towing Industry
 - 4544 Ship Chartering Industry
 - 4549 Other Water Transport Industries
- 455 Service Industries Incidental to Water Transport
 - 4551 Marine Cargo Handling Industry
 - 4552 Harbour and Port Operation Industry
 - 4553 Marine Salvage Industry
 - 4554 Piloting Service, Water Transport Industry
 - 4555 Marine Shipping Agencies Industry
 - 4559 Other Service Industries Incidental to Water Transport

- 456 Truck Transport Industries
 - 4561 General Freight Trucking Industry
 - 4562 Used Goods Moving and Storage Industry
 - 4563 Bulk Liquids Trucking Industry
 - 4564 Dry Bulk Materials Trucking Industry
 - 4565 Forest Products Trucking Industry
 - 4569 Other Truck Transport Industries
- 457 Public Passenger Transit Systems Industries
 - 4571 Urban Transit Systems Industry
 - 4572 Interurban and Rural Transit Systems Industry
 - 4573 School Bus Operations Industry
 - 4574 Charter and Sightseeing Bus Services Industry
 - 4575 Limousine Service to Airports and Stations Industry
- 458 Other Transportation Industries
 - 4581 Taxicab Industry
 - 4589 Other Transportation Industries n.e.c.

- 459 Other Service Industries Incidental to Transportation
 - 4591 Highway, Street and Bridge Maintenance Industry
 - 4592 Freight Forwarding Industry
 - 4599 Other Service Industries Incidental to Transportation n.e.c.

Major Group 46 — Pipeline Transport Industries

- 461 Pipeline Transport Industries
 - 4611 Natural Gas Pipeline Transport Industry
 - 4612 Crude Oil Pipeline Transport Industry
 - 4619 Other Pipeline Transport Industries

Major Group 47 — Storage and Warehousing Industries

- 471 Grain Elevator Industry
 - 4711 Grain Elevator Industry
- 479 Other Storage and Warehousing Industries
 - 4791 Refrigerated Warehousing Industry
 - 4799 Other Storage and Warehousing Industries n.e.c.

DIVISION H — COMMUNICATION AND OTHER UTILITY INDUSTRIES

Major Group 48 — Communication Industries

- 481 Telecommunication Broadcasting Industries
 - 4811 Radio Broadcasting Industry
 - 4812 Television Broadcasting Industry

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 4813 Combined Radio and Television Broadcasting Industry
- 4814 Cable Television Industry
- 482 Telecommunication Carriers Industry
 - 4821 Telecommunication Carriers Industry
- 483 Other Telecommunication Industries
 - 4839 Other Telecommunication Industries
- 484 Postal and Courier Service Industries
 - 4841 Postal Service Industry
 - 4842 Courier Service Industry

Major Group 49 — Other Utility Industries

- 491 Electric Power Systems Industry
 - 4911 Electric Power Systems Industry
- 492 Gas Distribution Systems Industry
 - 4921 Gas Distribution Systems Industry
- 493 Water Systems Industry
 - 4931 Water Systems Industry
- 499 Other Utility Industries n.e.c.
 - 4999 Other Utility Industries n.e.c.

DIVISION I — WHOLESALE TRADE INDUSTRIES

Major Group 50 — Farm Products Industries, Wholesale

- 501 Farm Products, Wholesale
 - 5011 Livestock, Wholesale
 - 5012 Grain, Wholesale
 - 5019 Other Farm Products, Wholesale

Major Group 51 — Petroleum Products Industries, Wholesale

- 511 Petroleum Products, Wholesale
 - 5111 Petroleum Products, Wholesale

Major Group 52 — Food, Beverage, Drug and Tobacco Industries, Wholesale

- 521 Food, Wholesale
 - 5211 Confectionery, Wholesale
 - 5212 Frozen Foods (Packaged), Wholesale
 - 5213 Dairy Products, Wholesale
 - 5214 Poultry and Eggs, Wholesale

- 5215 Fish and Seafood, Wholesale
- 5216 Fresh Fruit and Vegetables, Wholesale
- 5217 Meat and Meat Products, Wholesale
- 5219 Other Foods, Wholesale

- 522 Beverages, Wholesale
 - 5221 Beverages, Wholesale

- 523 Drugs and Toilet Preparations, Wholesale
 - 5231 Drugs, Wholesale
 - 5232 Toilet Soaps and Preparations, Wholesale
 - 5239 Drug Sundries and Other Drugs and Toilet Preparations, Wholesale

- 524 Tobacco Products, Wholesale
 - 5241 Tobacco Products, Wholesale

Major Group 53 — Apparel and Dry Goods Industries, Wholesale

- 531 Apparel, Wholesale
 - 5311 Men's and Boys' Clothing and Furnishings, Wholesale
 - 5312 Women's, Misses' and Children's Outerwear, Wholesale
 - 5313 Women's, Misses' and Children's Hosiery, Underwear and Apparel Accessories, Wholesale
 - 5314 Footwear, Wholesale
 - 5319 Other Apparel, Wholesale
- 532 Dry Goods, Wholesale
 - 5321 Piece Goods, Wholesale
 - 5329 Notions and Other Dry Goods, Wholesale

Major Group 54 — Household Goods Industries, Wholesale

- 541 Electrical and Electronic Household Appliances and Parts, Wholesale
 - 5411 Electrical Household Appliances, Wholesale
 - 5412 Electronic Household Appliances, Wholesale
- 542 Household Furniture, Wholesale
 - 5421 Household Furniture, Wholesale
- 543 Household Furnishings, Wholesale
 - 5431 China, Glassware, Crockery and Pottery, Wholesale
 - 5432 Floor Coverings, Wholesale
 - 5433 Linens, Draperies and Other Textile Furnishings, Wholesale
 - 5439 Other Household Furnishings, Wholesale

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

Major Group 55 — Motor Vehicle, Parts and Accessories Industries, Wholesale

- 551 Motor Vehicles, Wholesale
 - 5511 Automobiles, Wholesale
 - 5512 Trucks and Buses, Wholesale
 - 5519 Other Motor Vehicles and Trailers, Wholesale
- 552 Motor Vehicle Parts and Accessories, Wholesale
 - 5521 Tires and Tubes, Wholesale
 - 5529 Other Motor Vehicle Parts and Accessories, Wholesale

Major Group 56 — Metals, Hardware, Plumbing, Heating and Building Materials Industries, Wholesale

- 561 Metal and Metal Products, Wholesale
 - 5611 Iron and Steel Primary Forms and Structural Shapes, Wholesale
 - 5612 Other Iron and Steel Products, Wholesale
 - 5613 Non-Ferrous Metal and Metal Products, Wholesale
 - 5619 Combination Metal and Metal Products, Wholesale
- 562 Hardware and Plumbing, Heating and Air Conditioning Equipment and Supplies, Wholesale
 - 5621 Hardware, Wholesale
 - 5622 Plumbing, Heating and Air Conditioning Equipment and Supplies, Wholesale
- 563 Lumber and Building Materials, Wholesale
 - 5631 Lumber, Plywood and Millwork, Wholesale
 - 5632 Paint, Glass and Wallpaper, Wholesale
 - 5639 Other Building Materials, Wholesale

Major Group 57 — Machinery, Equipment and Supplies Industries, Wholesale

- 571 Farm Machinery, Equipment and Supplies, Wholesale
 - 5711 Farm Machinery, Equipment and Supplies, Wholesale
- 572 Construction, Forestry and Mining Machinery, Equipment and Supplies, Wholesale
 - 5721 Construction and Forestry Machinery, Equipment and Supplies, Wholesale
 - 5722 Mining Machinery, Equipment and Supplies, Wholesale
- 573 Industrial Machinery, Equipment and Supplies, Wholesale

5731 Industrial Machinery, Equipment and Supplies, Wholesale

- 574 Electrical and Electronic Machinery, Equipment and Supplies, Wholesale
 - 5741 Electrical Wiring Supplies and Electrical Construction Material, Wholesale
 - 5742 Electrical Generating and Transmission Equipment and Supplies, Wholesale
 - 5743 Electronic Machinery, Equipment and Supplies, Wholesale
 - 5749 Other Electrical and Electronic Machinery, Equipment and Supplies, Wholesale
- 579 Other Machinery, Equipment and Supplies, Wholesale
 - 5791 Office and Store Machinery, Equipment and Supplies, Wholesale
 - 5792 Service Machinery, Equipment and Supplies, Wholesale
 - 5793 Professional Machinery, Equipment and Supplies, Wholesale
 - 5799 Other Machinery, Equipment and Supplies n.e.c., Wholesale

Major Group 59 — Other Products Industries, Wholesale

- 591 Waste Materials, Wholesale
 - 5911 Automobile Wrecking
 - 5919 Other Waste Materials, Wholesale
- 592 Paper and Paper Products, Wholesale
 - 5921 Newsprint, Wholesale
 - 5922 Stationery and Office Supplies, Wholesale
 - 5929 Other Paper and Paper Products, Wholesale
- 593 Agricultural Supplies, Wholesale
 - 5931 Agricultural Feeds, Wholesale
 - 5932 Seeds and Seed Processing, Wholesale
 - 5939 Agricultural Chemical and Other Farm Supplies, Wholesale
- 594 Toys, Amusement and Sporting Goods, Wholesale
 - 5941 Toys, Novelties and Fireworks, Wholesale
 - 5942 Amusement and Sporting Goods, Wholesale
- 595 Photographic Equipment and Musical Instruments and Supplies, Wholesale
 - 5951 Photographic Equipment and Supplies, Wholesale
 - 5952 Musical Instruments and Accessories, Wholesale
- 596 Jewellery and Watches, Wholesale
 - 5961 Jewellery and Watches, Wholesale

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 597 Industrial and Household Chemicals, Wholesale
 - 5971 Industrial and Household Chemicals, Wholesale
- 598 General Merchandise, Wholesale
 - 5981 General Merchandise, Wholesale
- 599 Other Products n.e.c., Wholesale
 - 5991 Books, Periodicals and Newspapers, Wholesale
 - 5992 Second-Hand Goods, Wholesale (Except Machinery and Automotive)
 - 5993 Forest Products, Wholesale
 - 5999 Other Products n.e.c., Wholesale

DIVISION J — RETAIL TRADE INDUSTRIES

Major Group 60 — Food, Beverage and Drug Industries, Retail

- 601 Food Stores
 - 6011 Food (Groceries) Stores
 - 6012 Food (Specialty) Stores
- 602 Liquor, Wine and Beer Stores
 - 6021 Liquor Stores
 - 6022 Wine Stores
 - 6023 Beer Stores
- 603 Prescription Drugs and Patent Medicine Stores
 - 6031 Pharmacies
 - 6032 Patent Medicine and Toiletries Stores

Major Group 61 — Shoe, Apparel, Fabric and Yarn Industries, Retail

- 611 Shoe Stores
 - 6111 Shoe Stores
- 612 Men's Clothing Stores
 - 6121 Men's Clothing Stores
- 613 Women's Clothing Stores
 - 6131 Women's Clothing Stores
- 614 Clothing Stores n.e.c.
 - 6141 Clothing Stores n.e.c.
- 615 Fabric and Yarn Stores
 - 6151 Fabric and Yarn Stores

Major Group 62 — Household Furniture, Appliances and Furnishings Industries, Retail

- 621 Household Furniture Stores
 - 6211 Household Furniture Stores (With Appliances and Furnishings)
 - 6212 Household Furniture Stores (Without Appliances and Furnishings)
 - 6213 Furniture Refinishing and Repair Shops
- 622 Appliance, Television, Radio and Stereo Stores
 - 6221 Appliance, Television, Radio and Stereo Stores
 - 6222 Television, Radio and Stereo Stores
 - 6223 Appliance, Television, Radio and Stereo Repair Shops
- 623 Household Furnishings Stores
 - 6231 Floor Covering Stores
 - 6232 Drapery Stores
 - 6239 Other Household Furnishings Stores

Major Group 63 — Automotive Vehicles, Parts and Accessories Industries, Sales and Service

- 631 Automobile Dealers
 - 6311 Automobile (New) Dealers
 - 6312 Automobile (Used) Dealers
- 632 Recreational Vehicle Dealers
 - 6321 Motor Home and Travel Trailer Dealers
 - 6322 Boats, Outboard Motors and Boating Accessories Dealers
 - 6323 Motorcycle and Snowmobile Dealers
 - 6329 Other Recreational Vehicle Dealers
- 633 Gasoline Service Stations
 - 6331 Gasoline Service Stations
- 634 Automotive Parts and Accessories Stores
 - 6341 Home and Auto Supply Stores
 - 6342 Tire, Battery, Parts and Accessories Stores
- 635 Motor Vehicle Repair Shops
 - 6351 Garages (General Repairs)
 - 6352 Paint and Body Repair Shops
 - 6353 Muffler Replacement Shops
 - 6354 Motor Vehicle Glass Replacement Shops
 - 6355 Motor Vehicle Transmission Repair and Replacement Shops
 - 6359 Other Motor Vehicle Repair Shops

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 9 Other Motor Vehicle Services
- 6391 Car Washes
- 6399 Other Motor Vehicle Services n.e.c.

Major Group 64 — General Retail Merchandising Industries

- 1 General Merchandise Stores
- 6411 Department Stores
- 6412 General Stores
- 6413 Other General Merchandise Stores

Major Group 65 — Other Retail Store Industries

- 1 Book and Stationery Stores
- 6511 Book and Stationery Stores
- 2 Florists, Lawn and Garden Centres
- 6521 Florist Shops
- 6522 Lawn and Garden Centres
- 3 Hardware, Paint, Glass and Wallpaper Stores
- 6531 Hardware Stores
- 6532 Paint, Glass and Wallpaper Stores
- 4 Sporting Goods and Bicycle Shops
- 6541 Sporting Goods Stores
- 6542 Bicycle Shops
- 5 Musical Instrument and Record Stores
- 6551 Musical Instrument Stores
- 6552 Record and Tape Stores
- 6 Jewellery Stores and Watch and Jewellery Repair Shops
- 6561 Jewellery Stores
- 6562 Watch and Jewellery Repair Shops
- 7 Camera and Photographic Supply Stores
- 6571 Camera and Photographic Supply Stores
- 8 Toy, Hobby, Novelty and Souvenir Stores
- 6581 Toy and Hobby Stores
- 6582 Gift, Novelty and Souvenir Stores
- 9 Other Retail Stores
- 6591 Second-Hand Merchandise Stores n.e.c.
- 6592 Opticians' Shops
- 6593 Art Galleries and Artists' Supply Stores
- 6594 Luggage and Leather Goods Stores
- 6595 Monument and Tombstone Dealers
- 6596 Pet Stores
- 6597 Coin and Stamp Dealers

- 6598 Mobile Home Dealers
- 6599 Other Retail Stores n.e.c.

Major Group 69 — Non-Store Retail Industries

- 691 Vending Machine Operators
- 6911 Vending Machine Operators
- 692 Direct Sellers
- 6921 Direct Sellers

DIVISION K — FINANCE AND INSURANCE INDUSTRIES

Major Group 70 — Deposit Accepting Intermediary Industries

- 701 Central Bank
- 7011 Central Bank
- 702 Chartered Banks and Other Banking-Type Intermediaries
- 7021 Chartered Banks
- 7029 Other Banking-Type Intermediaries
- 703 Trust Companies
- 7031 Trust Companies
- 704 Deposit Accepting Mortgage Companies
- 7041 Deposit Accepting Mortgage Companies (Except Co-operatives)
- 7042 Co-operative Mortgage Companies
- 705 Credit Unions
- 7051 Local Credit Unions
- 7052 Central Credit Unions
- 709 Other Deposit Accepting Intermediaries
- 7099 Other Deposit Accepting Intermediaries

Major Group 71 — Consumer and Business Financing Intermediary Industries

- 711 Consumer Loan Companies
- 7111 Consumer Loan Companies
- 712 Business Financing Companies
- 7121 Sales Finance Companies
- 7122 Credit Card Companies
- 7123 Factoring Companies
- 7124 Financial Leasing Companies
- 7125 Venture Capital Companies

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

7129 Other Business Financing Companies

Major Group 72 — Investment Intermediary Industries

721 Portfolio Investment Intermediaries

7211 Investment (Mutual) Funds

7212 Retirement Savings Funds

7213 Segregated Funds

7214 Investment Companies

7215 Holding Companies

722 Mortgage Companies

7221 Mortgage Investment Companies

7222 Real Estate Investment Trusts

7229 Other Mortgage Companies

729 Other Investment Intermediaries

7291 Trusteed Pension Funds

7292 Estate, Trust and Agency Funds

7299 Other Investment Intermediaries n.e.c.

Major Group 73 — Insurance Industries

731 Life Insurers

7311 Life Insurers

732 Deposit Insurers

7321 Deposit Insurers

733 Property and Casualty Insurers

7331 Health Insurers

7339 Other Property and Casualty Insurers

Major Group 74 — Other Financial Intermediary Industries

741 Security Brokers and Dealers

7411 Investment Dealers

7412 Stock Brokers

7413 Commodity Brokers

742 Mortgage Brokers

7421 Mortgage Brokers

743 Security and Commodity Exchanges

7431 Stock Exchanges

7432 Commodity Exchanges

749 Other Financial Intermediaries n.e.c.

7499 Other Financial Intermediaries n.e.c.

DIVISION L — REAL ESTATE OPERATOR AND INSURANCE AGENT INDUSTRIES

Major Group 75 — Real Estate Operator Industries (Except Developers)

751 Operators of Buildings and Dwellings

7511 Operators of Residential Buildings and Dwellings

7512 Operators of Non-Residential Buildings

759 Other Real Estate Operators

7599 Other Real Estate Operators

Major Group 76 — Insurance and Real Estate Agent Industries

761 Insurance and Real Estate Agencies

7611 Insurance and Real Estate Agencies

DIVISION M — BUSINESS SERVICE INDUSTRIES

Major Group 77 — Business Service Industries

771 Employment Agencies and Personnel Suppliers

7711 Employment Agencies

7712 Personnel Suppliers

772 Computer and Related Services

7721 Computer Services

7722 Computer Equipment Maintenance and Repair

773 Accounting and Bookkeeping Services

7731 Offices of Chartered and Certified Accountants

7739 Other Accounting and Bookkeeping Services

774 Advertising Services

7741 Advertising Agencies

7742 Media Representatives

7743 Outdoor Display and Billboard Advertising

7749 Other Advertising Services

775 Architectural, Engineering and Other Scientific and Technical Services

7751 Offices of Architects

7752 Offices of Engineers

7759 Other Scientific and Technical Services

776 Offices of Lawyers and Notaries

7761 Offices of Lawyers and Notaries

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 77 Management Consulting Services
- 7771 Management Consulting Services
- 79 Other Business Services
- 7791 Security and Investigation Services
- 7792 Credit Bureau Services
- 7793 Collection Agencies
- 7794 Customs Brokers
- 7795 Telephone Answering Services
- 7796 Duplicating Services
- 7799 Other Business Services n.e.c.

DIVISION N — GOVERNMENT SERVICE INDUSTRIES

Major Group 81 — Federal Government Service Industries

- 811 Defence Services
- 8111 Defence Services
- 812 Protective Services
- 8121 Courts of Law
- 8122 Correctional Services
- 8123 Police Services
- 8125 Regulatory Services
- 8129 Other Protective Services
- 813 Labour, Employment and Immigration Services
- 8131 Labour and Employment Services
- 8132 Immigration Services
- 8139 Other Labour, Employment and Immigration Services
- 814 Foreign Affairs and International Assistance
- 8141 Foreign Affairs
- 8142 International Assistance
- 815 General Administrative Services
- 8151 Executive and Legislative Administration
- 8152 Finance and Economic Administration
- 8153 Taxation Administration
- 8154 Intergovernmental Affairs Administration
- 8159 Other General Administrative Services
- 816 Human Resource Administration
- 8161 Health Administration
- 8162 Social Service Administration
- 8163 Education Administration
- 8164 Recreation and Culture Administration

- 817 Economic Services Administration
- 8171 Transportation and Communication Administration
- 8172 Resource Conservation and Industrial Development Administration
- 8173 Environment Administration
- 8174 Housing Administration
- 8175 Regional Planning and Development Administration
- 8176 Research Administration

Major Group 82 — Provincial and Territorial Government Service Industries

- 822 Protective Services
- 8221 Courts of Law
- 8222 Correctional Services
- 8223 Police Services
- 8224 Firefighting Services
- 8225 Regulatory Services
- 8229 Other Protective Services
- 823 Labour and Employment Services
- 8231 Labour and Employment Services
- 825 General Administrative Services
- 8251 Executive and Legislative Administration
- 8252 Finance and Economic Administration
- 8253 Taxation Administration
- 8254 Intergovernmental Affairs Administration
- 8259 Other General Administrative Services
- 826 Human Resource Administration
- 8261 Health Administration
- 8262 Social Service Administration
- 8263 Education Administration
- 8264 Recreation and Culture Administration
- 827 Economic Services Administration
- 8271 Transportation and Communication Administration
- 8272 Resource Conservation and Industrial Development Administration
- 8273 Environment Administration
- 8274 Housing Administration
- 8275 Regional Planning and Development Administration
- 8276 Research Administration

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

Major Group 83 — Local Government Service Industries

- 832 Protective Services
 - 8321 Courts of Law
 - 8322 Correctional Services
 - 8323 Police Services
 - 8324 Firefighting Services
 - 8325 Regulatory Services
 - 8329 Other Protective Services
- 835 General Administrative Services
 - 8351 Executive and Legislative Administration
 - 8352 Finance and Economic Administration
 - 8353 Taxation Administration
 - 8354 Intergovernmental Affairs Administration
 - 8359 Other General Administrative Services
- 836 Human Resource Administration
 - 8361 Health Administration
 - 8362 Social Service Administration
 - 8363 Education Administration
 - 8364 Recreation and Culture Administration
- 837 Economic Services Administration
 - 8371 Transportation Administration
 - 8372 Resource Conservation and Industrial Development Administration
 - 8373 Environment Administration
 - 8374 Housing Administration
 - 8375 Regional Planning and Development Administration

Major Group 84 — International and Other Extra-Territorial Government Service Industries

- 841 International and Other Extra-Territorial Agencies
 - 8411 International and Other Extra-Territorial Agencies

DIVISION O — EDUCATIONAL SERVICE INDUSTRIES

Major Group 85 — Educational Service Industries

- 851 Elementary and Secondary Education
 - 8511 Elementary and Secondary Education
- 852 Post-Secondary Non-University Education
 - 8521 Post-Secondary Non-University Education

- 853 University Education
 - 8531 University Education
- 854 Library Services
 - 8541 Library Services
- 855 Museums and Archives
 - 8551 Museums and Archives
- 859 Other Educational Services
 - 8599 Other Educational Services

DIVISION P — HEALTH AND SOCIAL SERVICE INDUSTRIES

Major Group 86 — Health and Social Service Industries

- 861 Hospitals
 - 8611 General Hospitals
 - 8612 Rehabilitation Hospitals
 - 8613 Extended Care Hospitals
 - 8614 Mental (Psychiatric) Hospitals
 - 8615 Addiction Hospitals
 - 8616 Nursing Stations and Outpost Hospitals
 - 8617 Children's (Paediatric) Hospitals
 - 8619 Other Specialty Hospitals
- 862 Other Institutional Health and Social Services
 - 8621 Homes for Personal and Nursing Care
 - 8622 Homes for Physically Handicapped and/or Disabled
 - 8623 Homes for Mentally Retarded
 - 8624 Homes for Mentally Handicapped and/or Disabled
 - 8625 Homes for Emotionally Disturbed Children
 - 8626 Homes for Alcohol/Drug Addicts
 - 8627 Homes for Children in Need of Protection
 - 8628 Homes for Single Mothers
 - 8629 Other Institutional Health and Social Services n.e.c.
- 863 Non-Institutional Health Services
 - 8631 Ambulance Services
 - 8632 Drug Addiction and Alcoholism Treatment Clinics
 - 8633 Health Rehabilitation Clinics
 - 8634 Home Care Services (Including Home Nursing)
 - 8635 Public Health Clinics/Community Health Centres
 - 8639 Other Non-Institutional Health Services
- 864 Non-Institutional Social Services
 - 8641 Child Day-Care and Nursery School Services

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

8642 Child Welfare Services
8643 Family Planning Services
8644 Sheltered Workshops
8645 Home-Maker Services
8646 Meal Services (Non-Commercial)
8647 Social Rehabilitation Services
8648 Crisis Intervention
8649 Other Non-Institutional Social Services

865 Offices of Physicians, Surgeons and Dentists, Private Practice

8651 Offices of Physicians, General Practice
8652 Offices of Physicians and Surgeons, Specialists
8653 Offices of Dentists, General Practice
8654 Offices of Dentists, Specialists

866 Offices of Other Health Practitioners

8661 Offices of Chiropractors and Osteopaths
8662 Offices of Nurses, Registered
8663 Offices of Nurses, Practical
8664 Offices of Nutritionists/Dietitians
8665 Offices of Physiotherapists/Occupational Therapists
8666 Offices of Optometrists
8667 Offices of Podiatrists and Chiropodists
8668 Offices of Denturists
8669 Offices of Other Health Practitioners

867 Offices of Social Services Practitioners

8671 Offices of Psychologists
8672 Offices of Social Workers
8679 Offices of Other Social Service Practitioners

868 Medical and Other Health Laboratories

8681 Medical Laboratories
8682 Radiological Laboratories
8683 Combined Medical and Radiological Laboratories
8684 Public Health Laboratories
8685 Blood Bank Laboratories
8689 Other Health Laboratories

69 Health and Social Service Associations and Agencies

8691 Health Care and Public Safety Promotion Associations and Agencies
8692 Health Care Standards Agencies
8693 Health Care Research Agencies
8694 Social Service Planning and Advocacy Agencies
8699 Other Health and Social Service Associations and Agencies

DIVISION Q — ACCOMMODATION, FOOD AND BEVERAGE SERVICE INDUSTRIES

Major Group 91 — Accommodation Service Industries

- 911 Hotels, Motels and Tourist Courts
 - 9111 Hotels and Motor Hotels
 - 9112 Motels
 - 9113 Tourist Courts and Cabins
 - 9114 Guest Houses and Tourist Homes
- 912 Lodging Houses and Residential Clubs
 - 9121 Lodging Houses and Residential Clubs
- 913 Camping Grounds and Travel Trailer Parks
 - 9131 Camping Grounds and Travel Trailer Parks
- 914 Recreation and Vacation Camps
 - 9141 Outfitters (Hunting and Fishing Camps)
 - 9149 Other Recreation and Vacation Camps

Major Group 92 — Food and Beverage Service Industries

- 921 Food Services
 - 9211 Restaurants, Licensed
 - 9212 Restaurants, Unlicensed (Including Drive-Ins)
 - 9213 Take-Out Food Services
 - 9214 Caterers
- 922 Taverns, Bars and Night Clubs
 - 9221 Taverns, Bars and Night Clubs

DIVISION R — OTHER SERVICE INDUSTRIES

Major Group 96 — Amusement and Recreational Service Industries

- 961 Motion Picture, Audio and Video Production and Distribution
 - 9611 Motion Picture and Video Production
 - 9612 Motion Picture and Video Distribution
 - 9613 Motion Picture Laboratories and Video Production Facilities
 - 9614 Sound Recording Services
 - 9619 Other Motion Picture, Audio and Video Services
- 962 Motion Picture Exhibition
 - 9621 Regular Motion Picture Theatres

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- 9622 Outdoor Motion Picture Theatres
- 9629 Other Motion Picture Exhibition
- 963 Theatrical and Other Staged Entertainment Services
 - 9631 Entertainment Production Companies and Artists
 - 9639 Other Theatrical and Staged Entertainment Services
- 964 Commercial Spectator Sports
 - 9641 Professional Sports Clubs
 - 9642 Professional Athletes and Promoters on Own Account
 - 9643 Horse Race Tracks
 - 9644 Other Race Tracks
- 965 Sports and Recreation Clubs and Services
 - 9651 Golf Courses
 - 9652 Curling Clubs
 - 9653 Skiing Facilities
 - 9654 Boat Rentals and Marinas
 - 9659 Other Sports and Recreation Clubs
- 966 Gambling Operations
 - 9661 Gambling Operations
- 969 Other Amusement and Recreational Services
 - 9691 Bowling Alleys and Billiard Parlours
 - 9692 Amusement Park, Carnival and Circus Operations
 - 9693 Dance Halls, Studios and Schools
 - 9694 Coin-Operated Amusement Services
 - 9695 Roller Skating Facilities
 - 9696 Botanical and Zoological Gardens
 - 9699 Other Amusement and Recreational Services n.e.c.

Major Group 97 — Personal and Household Service Industries

- 971 Barber and Beauty Shops
 - 9711 Barber Shops
 - 9712 Beauty Shops
 - 9713 Combination Barber and Beauty Shops
- 972 Laundries and Cleaners
 - 9721 Power Laundries and/or Dry Cleaners
 - 9722 Distributors and/or Agents for Dry Cleaners
 - 9723 Self-Serve Laundries and/or Dry Cleaners
 - 9724 Valet Services, Pressing and/or Repair
 - 9725 Linen Supply
 - 9726 Carpet Cleaning
 - 9729 Other Laundry and Dry Cleaning Services
- 973 Funeral Services
 - 9731 Funeral Homes

9732 Cemeteries and Crematoria

- 974 Private Households
 - 9741 Private Households
- 979 Other Personal and Household Services
 - 9791 Shoe Repair
 - 9792 Fur Cleaning, Repair and Storage
 - 9799 Other Personal and Household Services n.e.c.

Major Group 98 — Membership Organizations

- 981 Religious Organizations
 - 9811 Religious Organizations
- 982 Business Associations
 - 9821 Business Associations
- 983 Professional Membership Associations
 - 9831 Professional Health and Social Service Membership Associations
 - 9839 Other Professional Membership Associations
- 984 Labour Organizations
 - 9841 Labour Organizations
- 985 Political Organizations
 - 9851 Political Organizations
- 986 Civic and Fraternal Organizations
 - 9861 Civic and Fraternal Organizations

Major Group 99 — Other Service Industries

- 991 Machinery and Equipment Rental and Leasing Services
 - 9911 Industrial Machinery and Equipment Rental and Leasing
 - 9912 Audio-Visual Equipment Rental and Leasing
 - 9913 Office Furniture and Machinery Rental and Leasing
 - 9919 Other Machinery and Equipment Rental and Leasing
- 992 Automobile and Truck Rental and Leasing Services
 - 9921 Automobile and Truck Rental and Leasing Services
- 993 Photographers
 - 9931 Photographers
- 994 Other Repair Services
 - 9941 Electric Motor Repair
 - 9942 Welding
 - 9949 Other Repair Services n.e.c.

LIST OF DIVISIONS, MAJOR GROUPS, GROUPS AND CLASSES

- | | |
|---|--|
| <p>995 Services to Buildings and Dwellings</p> <ul style="list-style-type: none">9951 Disinfecting and Exterminating Services9952 Window Cleaning Services9953 Janitorial Services9959 Other Services to Buildings and Dwellings | <p>996 Travel Services</p> <ul style="list-style-type: none">9961 Ticket and Travel Agencies9962 Tour Wholesalers and Operators <p>999 Other Services n.e.c.</p> <ul style="list-style-type: none">9991 Parking Lots and Parking Garages9999 Other Services n.e.c. |
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APPENDIX 4

Schedule 1

Hazardous Industrial Wastes

SCHEDULE 1

HAZARDOUS INDUSTRIAL WASTES

Hazardous Industrial Waste from Non-specific Sources

<u>Industry and No.</u>	<u>Waste</u>
NA9301	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; and sludges from the recovery of these solvents in degreasing operations.
NA9302	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, and trichlorofluoromethane; and the still bottoms from the recovery of these solvents.
NA9303	The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; and the still bottoms from the recovery of these solvents.
NA9304	The following spent non-halogenated solvents: cresols and cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents.
NA9305	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulphide, isobutanol, and pyridine; and the still bottoms from the recovery of these solvents.
NA9306	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulphuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
NA9307	Wastewater treatment sludges from the chemical conversion coating of aluminum.

NA9308	Spent cyanide plating bath solutions from electroplating operations (except for precious metals electroplating spent cyanide plating bath solutions).
NA9309	Plating bath sludges from the bottom of plating baths from electroplating operations where cyanides are used in the process (except for precious metals electroplating bath sludges).
NA9310	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process (except for precious metals electroplating spent stripping and cleaning bath solutions).
NA9311	Quenching bath sludge from oil baths from metal heat treating operations where cyanides are used in the process (except for precious metals heat treating quenching bath sludges).
NA9312	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning).
NA9313	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process (except for precious metals heat treating quenching wastewater treatment sludges).
NA9314	Cyanidation wastewater treatment tailing pond sediment from mineral metals recovery operations.
NA9315	Spent cyanide bath solutions from mineral metals recovery operations.

Hazardous Industrial Waste from Specific Sources

Industry and No.

Waste

Wood Preservation:

NA9316	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
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Inorganic Pigments:

NA9317	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
NA9318	Wastewater treatment sludge from the production of molybdate orange pigments.
NA9319	Wastewater treatment sludge from the production of zinc yellow pigments.
NA9320	Wastewater treatment sludge from the production of chrome green pigments.
NA9321	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
NA9322	Wastewater treatment sludge from the production of iron blue pigments.
NA9323	Oven residue from the production of chrome oxide green pigments.

Organic Chemicals:

NA9324	Distillation bottoms from the production of acetaldehyde from ethylene.
NA9325	Distillation side cuts from the production of acetaldehyde from ethylene.
NA9326	Bottom stream from the wastewater stripper in the production of acrylonitrile.
NA9327	Bottom stream from the acetonitrile column in the production of acrylonitrile.
NA9328	Bottoms from the acetonitrile purification column in the production of acrylonitrile.
NA9329	Still bottoms from the distillation of benzyl chloride.
NA9330	Heavy ends or distillation residues from the production of carbon tetrachloride.
NA9331	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
NA9332	Heavy ends from the fractionation column in ethyl chloride production.

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NA9333	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.
NA9334	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
NA9335	Aqueous spent antimony catalyst waste from fluoromethanes production.
NA9336	Distillation bottom tars from the production of phenol/acetone from cumene.
NA9337	Distillation light ends from the production of phthalic anhydride from naphthalene.
NA9338	Distillation bottoms from the production of phthalic anhydride from naphthalene.
NA9339	Distillation light ends from the production of phthalic anhydride from ortho-xylene.
NA9340	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
NA9341	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
NA9342	Stripping still tails from the production of methyl ethyl pyridines.
NA9343	Centrifuge and distillation residues from toluene diisocyanate production.
NA9344	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
NA9345	Waste from the product stream stripper in the production of 1,1,1-trichloroethane.
NA9346	Distillation bottoms from the production of 1,1,1-trichloroethane.
NA9347	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.
NA9348	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
NA9349	Distillation bottoms from aniline production.

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NA9350	Process residues from aniline extraction from the production of aniline.
NA9351	Combined wastewater streams generated from nitrobenzene/aniline production.
NA9352	Distillation or fractionation column bottoms from the production of chlorobenzenes.
NA9353	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.

Inorganic Chemicals:

NA9390	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.
NA9391	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
NA9392	Wastewater treatment sludge from the mercury cell process in chlorine production.

Pesticides:

NA9354	By-product salts generated in the production of MSMA and cacodylic acid.
NA9355	Wastewater treatment sludge from the production of chlordane.
NA9356	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
NA9357	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
NA9358	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
NA9359	Wastewater treatment sludges generated in the production of creosote.
NA9360	Still bottoms from toluene reclamation distillation in the production of disulphoton.
NA9361	Wastewater treatment sludges from the production of disulphoton.

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NA9362	Wastewater from the washing and stripping of phorate production.
NA9363	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.
NA9364	Wastewater treatment sludge from the production of phorate.
NA9365	Wastewater treatment sludge from the production of toxaphene.
NA9366	Untreated process wastewater from the production of toxaphene.
NA9367	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.
NA9368	2,6-Dichlorophenol waste from the production of 2,4-D.
NA9369	Untreated wastewater from the production of 2,4-D.

Explosives:

NA9370	Wastewater treatment sludges from the manufacturing and processing of explosives.
NA9371	Spent carbon from the treatment of wastewater containing explosives.
NA9372	Wastewater treatment sludges from the manufacturing formulation and loading of lead-based initiating compounds.
NA9373	Pink/red water from TNT operations.

Petroleum Refining:

NA9374	Dissolved air flotation (DAF) float from the petroleum refining industry.
NA9375	Slop oil emulsion solids from the petroleum refining industry.
NA9376	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
NA9377	API separator sludge from the petroleum refining industry.

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NA9378 Tank bottoms (leaded) from the petroleum refining industry.

Iron & Steel:

NA9380 Emission control dust/sludge from the primary production of steel in electric furnaces.

NA9381 Spent pickle liquor from steel finishing operations.

Primary Copper:

NA9383 Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.

Primary Lead:

NA9384 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.

Primary Zinc:

NA9385 Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.

NA9386 Electrolytic anode slimes/sludges from primary zinc production.

NA9387 Cadmium plant leachate residue (iron oxide) from primary zinc production.

Secondary Lead:

NA9388 Emission control dust/sludge from secondary lead smelting.

NA9389 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.

Veterinary Pharmaceuticals:

NA9394 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

NA9395 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

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NA9396 Residue from the use of activated carbon for decolourization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.

Ink Formulation:

NA9393 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.

Coking:

NA9379 Ammonia still lime sludge from coking operations.

NA9397 Decanter tank tar sludge from coking operations.

SCHEDULE 1E

EXEMPT HAZARDOUS INDUSTRIAL WASTES

(There are no wastes currently listed in this Schedule)

APPENDIX 5

Schedule 2(A)

Acute Hazardous Waste Chemicals

SCHEDULE 2

PART A
ACUTE HAZARDOUS WASTE CHEMICALS

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1001	Acetaldehyde, chloro- / Chloroacetaldehyde
ON1002	Acetamide, N-(aminothioxomethyl)- / 1-Acetyl-2-thiourea
ON1003	Acetamide, 2-fluoro- / Fluoroacetamide
ON1067	Acetic acid, fluoro-, sodium salt / Sodium fluoroacetate
ON1004	Acetimidic acid, N-((methylcarbamoyl)oxy)thio-, methyl ester / Methomyl
ON1005	Acetone cyanohydrin / 2-Methylactonitrile
ON1006	3-(alpha-Acetonylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations greater than 0.3 percent / Warfarin, when present at concentrations greater than 0.3 percent
ON1002	1-Acetyl-2-thiourea / Acetamide, N-(aminothioxomethyl)-
ON1007	Acrolein / 2-Propenal
ON1008	Agarin / 5-(Aminomethyl)-3-isoxazolol
ON1009	Aldicarb / Propanal, 2-methyl-2-(methylthio)-, O-((methylamino)carbonyl)oxime
ON1010	Aldrin / 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8- endo, exo-dimethanonaphthalene
ON1011	Allyl alcohol / 2-Propen-1-ol
ON1012	Aluminum phosphide
ON1008	5-(Aminomethyl)-3-isoxazolol / Agarin
ON1013	4-Aminopyridine / p-Aminopyridine
ON1014	Ammonium metavanadate / Ammonium vanadate
ON1015	Ammonium picrate / Phenol, 2,4,6-trinitro-, ammonium salt
ON1014	Ammonium vanadate / Ammonium metavanadate
ON1016	Arsenic acid
ON1017	Arsenic (III) oxide / Arsenic trioxide

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1018	Arsenic (V) oxide / Arsenic pentoxide
ON1018	Arsenic pentoxide / Arsenic (V) oxide
ON1017	Arsenic trioxide / Arsenic (III) oxide
ON1019	Arsine, diethyl- / Diethylarsine
ON1020	Aziridine / Ethyleneimine
ON1021	Barium cyanide
ON1022	Benzenamine, 4-chloro- / p-Chloroaniline
ON1023	Benzenamine, 4-nitro- / p-Nitroaniline
ON1024	Benzene, (chloromethyl)- / Chlorotoluene
ON1025	1,2-Benzenediol, 4-(1-hydroxy-2-(methylamino)-ethyl)- / Epinephrine
ON1026	Benzenethiol / Phenyl mercaptan
ON1024	Benzyl chloride / (Chloromethyl)benzene
ON1027	Beryllium dust / Beryllium, metal powder
ON1028	Bis(chloromethyl) ether / Dichlorodimethyl ether
ON1029	Bromoacetone / 2-Propanone, 1-bromo-
ON1030	Brucine / 2,3-Dimethoxystrychnidin-10-one
ON1031	Calcium cyanide
ON1032	Camphene, octachloro- / Toxaphene
ON1033	Carbamimidoseleonic acid / Selenourea
ON1034	Carbon bisulphide / Carbon disulphide
ON1034	Carbon disulphide / Carbon bisulphide
ON1035	Carbonyl chloride / Phosgene
ON1036	Chlorine cyanide / Cyanogen chloride
ON1001	Chloroacetaldehyde / Acetaldehyde, chloro-
ON1022	p-Chloroaniline / 4-Chlorobenzenamine
ON1037	1-(o-Chlorophenyl)thiourea / 2-Chlorophenyl thiourea

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1038	3-Chloropropionitrile / 3-Chloropropanenitrile
ON1024	Chlorotoluene / (Chloromethyl)benzene
ON1039	Copper cyanides
ON1040	Cyanides (soluble cyanide salts) not elsewhere specified
ON1041	Cyanogen / Ethanedinitrile
ON1036	Cyanogen chloride / Chlorocyanogen
ON1028	Dichlorodimethyl ether / Bis(chloromethyl) ether
ON1042	Dichlorophenylarsine / Phenylldichloroarsine
ON1043	Dieldrin / 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy- 1,4,4a,5,6,7,8,8a-octahydro, endo,exo-
ON1019	Diethylarsine / Arsine, diethyl-
ON1044	O,O-Diethyl S-(2-(ethylthio)ethyl) phosphorodithioate / Disulfoton
ON1045	Diethyl-p-nitrophenyl phosphate / Phosphoric acid, diethyl p-nitrophenyl ester
ON1046	O,O-Diethyl O,2-pyrazinyl phosphorothioate / Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
ON1047	Diisopropylfluorophosphate / Phosphorofluoridic acid, bis(1-methylethyl) ester
ON1048	Dimethoate / Phosphorodithioic acid, O,O-dimethyl S-(2-(methylamino)-2-oxoethyl) ester
ON1049	3,3-Dimethyl-1-(methylthio)-2-butanone, O- ((methylamino)carbonyl) oxime / Thiofanox
ON1050	O,O-Dimethyl O-(p-nitrophenyl) phosphorothioate / Methyl parathion
ON1051	Dimethylnitrosamine / N-Nitrosodimethylamine
ON1052	alpha,alpha-Dimethylphenethylamine / Phentermine
ON1053	4,6-Dinitro-o-cresol and salts / Phenol, 2,4-dinitro-6- methyl-, and salts
ON1054	4,6-Dinitro-o-cyclohexylphenol / Phenol, 2-cyclohexyl-4,6-dinitro-

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1055	2,4-Dinitrophenol / Phenol, 2,4-dinitro-
ON1056	Dinoseb / Phenol, 2,4-dinitro-6-(1-methylpropyl)-
ON1057	Diphosphoramidate, octamethyl- / Octamethylpyro-phosphoramidate
ON1044	Disulfoton / O,O-Diethyl S-(2-(ethylthio)ethyl) phosphorodithioate
ON1058	2,4-Dithiobiuret / 2-Thio-1-(thiocarbonyl)
ON1059	Dithiopyrophosphoric acid, tetraethyl ester / Tetraethyl dithiopyrophosphate
ON1060	Endosulfan / 5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulphite
ON1061	Endothall / 7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid
ON1062	Endrin / 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo, endo-1,4:5,8-dimethanonaphthalene
ON1025	Epinephrine / 1,2-Benzenediol, 4-(1-hydroxy-2-(methylamino)ethyl)-
ON1052	Ethanamine, 1,1-dimethyl-2-phenyl- / alpha,alpha-Dimethylphenethylamine
ON1063	Ethenamine, N-methyl-N-nitroso- / N-Nitrosomethyl-vinylamine
ON1064	Ethyl cyanide / Propionitrile
ON1020	Ethylenimine / Aziridine
ON1065	Famphur / Phosphorothioic acid, O,O-dimethyl O-(p-((dimethylamino)sulfonyl)phenyl) ester
ON1066	Fluorine
ON1003	Fluoroacetamide / Acetamide, 2-fluoro-
ON1067	Fluoroacetic acid, sodium salt / Sodium fluoroacetate
ON1068	Fulminic acid, mercury (II) salt / Fulminate of mercury
ON1069	Heptachlor / 1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1062	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo, endo-1,4:5,8-dimethanonaphthalene / Endrin
ON1043	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo, exo-1,4:5,8-dimethanonaphthalene / Dieldrin
ON1070	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo, endo-dimethanonaphthalene / Isodrin
ON1010	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo, exo-dimethanonaphthalene / Aldrin
ON1071	Hexachlorohexahydro-exo, exo-dimethanonaphthalene
ON1072	Hexaethyl tetraphosphate / Tetraphosphoric acid, hexaethyl ester
ON1073	Hydrazinecarbothioamide / Thiosemicarbazide
ON1074	Hydrazine, methyl- / Methylhydrazine
ON1075	Hydrocyanic acid
ON1076	Hydrogen cyanide
ON1077	Hydrogen phosphide / Phosphine
ON1078	Isocyanic acid, methyl ester / Methyl isocyanate
ON1070	Isodrin / 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo, endo-dimethanonaphthalene
ON1008	3(2H)-Isoxazolone, 5-(aminomethyl)- / Agarin
ON1079	Mercury, (acetato)phenyl- / Phenylmercuric acetate
ON1068	Mercury fulminate / Fulminate of mercury
ON1028	Methane, oxybis(chloro- / Dichlorodimethyl ether
ON1080	Methane, tetranitro- / Tetranitromethane
ON1081	Methanethiol, trichloro- / Trichloromethanethiol
ON1069	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- / Heptachlor
ON1004	Methomyl / Acetimidic acid, N-((methylcarbamoyl)-oxy)thio-, methyl ester

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1082	2-Methylaziridine / Propyleneimine
ON1074	Methyl hydrazine / Hydrazine, methyl-
ON1078	Methyl isocyanate / Isocyanic acid, methyl ester
ON1005	2-Methylactonitrile / Acetone cyanohydrin
ON1050	Methyl parathion / O,O-Dimethyl O-(p-nitrophenyl) phosphorothioate
ON1083	alpha-Naphthylthiourea / Thiourea, 1-naphthalenyl-
ON1084	Nickel carbonyl / Nickel tetracarbonyl
ON1085	Nickel cyanide / Nickel (II) cyanide
ON1085	Nickel (II) cyanide / Nickel cyanide
ON1084	Nickel tetracarbonyl / Nickel carbonyl
ON1086	Nicotine and salts / Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)- and salts
ON1087	Nitric oxide / Nitrogen (II) oxide
ON1023	p-Nitroaniline / 4-Nitrobenzenamine
ON1088	Nitrogen dioxide / Nitrogen (IV) oxide
ON1087	Nitrogen (II) oxide / Nitric oxide
ON1088	Nitrogen (IV) oxide / Nitrogen dioxide
ON1089	Nitroglycerin / 1,2,3-Propanetriol, trinitrate-
ON1051	N-Nitrosodimethylamine / Dimethylnitrosamine
ON1063	N-Nitrosomethylvinylamine / N-Methyl-N-nitrosoethenylamine
ON1060	5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulphite / Endosulfan
ON1057	Octamethylpyrophosphoramidate / Diphosphoramidate, octamethyl-
ON1090	Osmium oxide / Osmium tetroxide
ON1090	Osmium tetroxide / Osmium oxide
ON1061	7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid / Endothall

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1091	Parathion / Phosphorothioic acid, O,O,-diethyl O-(p-nitrophenyl) ester
ON1054	Phenol, 2-cyclohexyl-4,6-dinitro- / 4,6-Dinitro-o-cyclohexylphenol
ON1055	Phenol, 2,4-dinitro- / 2,4-Dinitrophenol
ON1053	Phenol, 2,4-dinitro-6-methyl-, and salts / Dinitro-o-cresol and salts
ON1056	Phenol, 2,4-dinitro-6-(1-methylpropyl)- / Dinoseb
ON1015	Phenol, 2,4,6-trinitro-, ammonium salt / Ammonium picrate
ON1042	Phenyl dichloroarsine / Dichlorophenylarsine
ON1026	Phenyl mercaptan / Benzenethiol
ON1079	Phenylmercuric acetate / Mercury, (acetato)phenyl-
ON1092	N-Phenylthiourea / Phenylthiocarbamide
ON1093	Phorate / Phosphorothioic acid, O,O-diethyl S-(ethylthio)methyl ester
ON1035	Phosgene / Carbonyl chloride
ON1077	Phosphine / Hydrogen phosphide
ON1045	Phosphoric acid, diethyl p-nitrophenyl ester / Diethyl-p-nitrophenyl phosphate
ON1048	Phosphorodithioic acid, O,O-dimethyl S-(2-(methylamino)-2-oxoethyl) ester / Dimethoate
ON1047	Phosphorofluoridic acid, bis(1-methylethyl) ester / Diisopropylfluorophosphate
ON1093	Phosphorothioic acid, O,O-diethyl S-(ethylthio)methyl ester / Phorate
ON1091	Phosphorothioic acid, O,O-diethyl O-(p-nitrophenyl) ester / Parathion
ON1046	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester / O,O-Diethyl O,2-pyrazinyl phosphorothioate
ON1065	Phosphorothioic acid, O,O-dimethyl O-(p-((dimethylamino)-sulfonyl)phenyl) ester / Famphur

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1094	Plumbane, tetraethyl- / Tetraethyl lead
ON1095	Potassium cyanide
ON1096	Potassium dicyanoargentate / Potassium silver cyanide
ON1096	Potassium silver cyanide / Potassium dicyanoargentate
ON1009	Propanal, 2-methyl-2-(methylthio)-, O-((methylamino)-carbonyl)oxime / Aldicarb
ON1064	Propanenitrile / Propionitrile
ON1038	Propanenitrile, 3-chloro- / 3-Chloropropionitrile
ON1005	Propanenitrile, 2-hydroxy-2-methyl- / Acetone cyanohydrin
ON1089	1,2,3-Propanetriol, trinitrate- / Nitroglycerin
ON1029	2-Propanone, 1-bromo- / Bromoacetone
ON1097	Propargyl alcohol / 2-Propyn-1-ol
ON1007	2-Propenal / Acrolein
ON1011	2-Propen-1-ol / Allyl alcohol
ON1064	Propionitrile / Ethyl cyanide
ON1082	1,2-Propylenimine / 2-Methylaziridine
ON1097	2-Propyn-1-ol / Propargyl alcohol
ON1013	4-Pyridinamine / 4-Aminopyridine
ON1086	Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)- and salts / Nicotine and salts
ON1098	Pyrophosphoric acid, tetraethyl ester / Tetraethyl pyrophosphate
ON1033	Selenourea / Carbamimidoselenoic acid
ON1099	Silver cyanide
ON1100	Sodium azide
ON1101	Sodium cyanide
ON1067	Sodium fluoroacetate / Fluoroacetic acid, sodium salt

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1102	Strontium sulphide
ON1103	Strychnidin-10-one and salts
ON1030	Strychnidin-10-one, 2,3-dimethoxy- / Brucine
ON1104	Strychnine and salts
ON1105	Sulphuric acid, thallium (I) salt / Thallium sulphate, solid
ON1059	Tetraethyldithiopyrophosphate / Dithiopyrophosphoric acid, tetraethyl ester
ON1094	Tetraethyl lead / Plumbane, tetraethyl-
ON1098	Tetraethyl pyrophosphate / Pyrophosphoric acid, tetraethyl ester
ON1080	Tetranitromethane / Methane, tetranitro-
ON1072	Tetraphosphoric acid, hexaethyl ester / Hexaethyl tetraphosphate
ON1106	Thallic oxide / Thallium (III) oxide
ON1106	Thallium (III) oxide / Thallic oxide
ON1107	Thallium (I) selenite
ON1105	Thallium (I) sulphate / Sulphuric acid, thallium (I) salt
ON1049	Thiofanox / 3,3-Dimethyl-1-(methylthio)-2-butanone, O-((methylamino)carbonyl) oxime
ON1058	Thioimidodicarbonic diamide / 2,4-Dithiobiuret
ON1026	Thiophenol / Phenyl mercaptan
ON1073	Thiosemicarbazide / Hydrazinecarbothioamide
ON1037	Thiourea, (2-chlorophenyl)- / 1-(o-Chlorophenyl)-2-thiourea
ON1083	Thiourea, 1-naphthalenyl- / alpha-Naphthylthiourea
ON1092	Thiourea, phenyl- / N-Phenylthiourea
ON1032	Toxaphene / Camphene, octachloro-
ON1081	Trichloromethanethiol / Methanethiol, trichloro-

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON1014	Vanadic acid, ammonium salt / Ammonium metavanadate
ON1107	Vanadium pentoxide / Vanadium (V) oxide
ON1107	Vanadium (V) oxide / Vanadium pentoxide
ON1006	Warfarin, when present at concentrations greater than 0.3 percent / 3-(alpha-Acetylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations greater than 0.3 percent
ON1108	Zinc cyanide
ON1109	Zinc phosphide, when present at concentrations greater than 10 percent

APPENDIX 6

Schedule 2(B)

Hazardous Waste Chemicals

SCHEDULE 2
PART B
HAZARDOUS WASTE CHEMICALS

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2001	Acetaldehyde / Ethyl aldehyde
ON2002	Acetaldehyde, trichloro- / Chloral
ON2003	Acetamide, N-(4-ethoxyphenyl)- / Phenacetin
ON2004	Acetamide, N-9H-fluoren-2-yl- / 2-Acetylaminofluorene
ON2005	Acetic acid, ethyl ester / Ethyl acetate
ON2006	Acetic acid, lead salt / Lead acetate
ON2007	Acetic acid, thallium (I) salt / Thallium (I) acetate
ON2226	Acetone / 2-Propanone
ON2008	Acetonitrile / Methyl cyanide
ON2009	3-(alpha-Acetylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations of 0.3 percent or less / Warfarin, when present at concentrations of 0.3 percent or less
ON2010	Acetophenone / Ethanone, 1-phenyl-
ON2004	2-Acetylaminofluorene / Acetamide, N-9H-fluoren-2-yl-
ON2011	Acetyl chloride / Acetic chloride
ON2012	Acrylamide / Propenamide
ON2013	Acrylic acid / 2-Propenoic acid
ON2014	Acrylonitrile / 2-Propenenitrile
ON2015	Alanine, 3-(p-bis(2-chloroethyl)amino)phenyl-, L- / Melphalan
ON2016	Amitrole / 1H-1,2,4-Triazol-3-amine
ON2017	Aniline / Benzenamine
ON2018	Auramine / Benzenamine, 4,4'-carbonimidoylbis- (N,N-dimethyl-

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2019	Azaserine / L-Serine, diazoacetate (ester)
ON2020	Azirino(2',3':3,4)pyrrolo(1,2a)indole-4,7-dione, 6-amino-8-(((aminocarbonyl)oxy)methyl)- 1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl- / Mitomycin C
ON2021	Benz(j)aceanthrylene, 1,2-dihydro-3-methyl- / 3-Methylcholanthrene
ON2022	Benz(c)acridine / 3,4-Benzacridine
ON2022	3,4-Benzacridine / Benz(c)acridine
ON2023	Benzal chloride / Benzylidene chloride
ON2024	Benz(a)anthracene / 1,2-Benzanthracene
ON2024	1,2-Benzanthracene / Benz(a)anthracene
ON2025	1,2-Benzanthracene, 7,12-dimethyl- / 9,10-Dimethyl- benz(a)anthracene
ON2017	Benzenamine / Aniline
ON2018	Benzenamine, 4,4'-carbonimidoylbis(N,N-dimethyl- / Auramine
ON2026	Benzenamine, 4-chloro-2-methyl- / 4-Chloro-o-toluidine hydrochloride
ON2027	Benzenamine, N,N'-dimethyl-4-phenylazo- / Dimethylaminoazobenzene
ON2028	Benzenamine, 4,4'-methylenebis(2-chloro- / 4,4'- Methylenebis(2-chloroaniline)
ON2029	Benzenamine, 2-methyl-, hydrochloride / o-Toluidine hydrochloride
ON2030	Benzenamine, 2-methyl-5-nitro- / 5-Nitro-o-toluidine
ON2031	Benzene
ON2032	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl) -alpha-hydroxy, ethyl ester / Ethyl 4,4'-dichlorobenzilate
ON2033	Benzene, 1-bromo-4-phenoxy- / 4-Bromophenyl phenyl ether
ON2034	Benzene, chloro- / Chlorobenzene

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2035	1,2-Benzenedicarboxylic acid anhydride / Phthalic anhydride
ON2036	1,2-Benzenedicarboxylic acid, (bis(2-ethylhexyl)) ester / Bis(2-ethylhexyl)phthalate
ON2037	1,2-Benzenedicarboxylic acid, dibutyl ester / Dibutyl phthalate
ON2038	1,2-Benzenedicarboxylic acid, diethyl ester / Diethyl phthalate
ON2039	1,2-Benzenedicarboxylic acid, dimethyl ester / Dimethyl phthalate
ON2040	1,2-Benzenedicarboxylic acid, di-n-octyl ester / Di-n-octyl phthalate
ON2041	Benzene, 1,2-dichloro- / o-Dichlorobenzene
ON2042	Benzene, 1,3-dichloro- / m-Dichlorobenzene
ON2043	Benzene, 1,4-dichloro- / p-Dichlorobenzene
ON2023	Benzene, (dichloromethyl)- / Benzal chloride
ON2044	Benzene, 1,3-diisocyanatomethyl- / Toluene diisocyanate
ON2045	Benzene, dimethyl- / Xylene
ON2046	1,3-Benzenediol / Resorcinol
ON2047	Benzene, hexachloro- / Hexachlorobenzene
ON2048	Benzene, hexahydro- / Cyclohexane
ON2049	Benzene, hydroxy- / Phenol
ON2050	Benzene, methyl- / Toluene
ON2051	Benzene, 1-methyl-2,4-dinitro- / 2,4-Dinitrotoluene
ON2052	Benzene, 1-methyl-2,6-dinitro- / 2,6-Dinitrotoluene
ON2053	Benzene, 1,2-methylenedioxy-4-allyl- / Safrole
ON2054	Benzene, 1,2-methylenedioxy-4-propenyl- / Isosafrole
ON2055	Benzene, 1,2-methylenedioxy-4-propyl- / Dihydrosafrole

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2056	Benzene, (1-methylethyl)- / Isopropylbenzene
ON2057	Benzene, nitro- / Nitrobenzene
ON2058	Benzene, pentachloro- / Pentachlorobenzene
ON2059	Benzene, pentachloronitro- / Pentachloronitrobenzene
ON2060	Benzenesulphonic acid chloride / Benzenesulphonyl chloride
ON2060	Benzenesulphonyl chloride / Benzenesulphonic acid chloride
ON2061	Benzene, 1,2,4,5-tetrachloro- / 1,2,4,5-Tetrachlorobenzene
ON2062	Benzene, trichloromethyl- / Benzotrichloride
ON2063	Benzene, 1,3,5-trinitro- / 1,3,5-Trinitrobenzene
ON2064	Benzidine / 4,4'-Diaminobiphenyl
ON2065	1,2-Benzisothiazolin-3-one, 1,1-dioxide and salts / Saccharin and salts
ON2066	Benzo(j,k)fluorene / Fluoranthene
ON2067	Benzo(a)pyrene / 3,4-Benzopyrene
ON2067	3,4-Benzopyrene / Benzo(a)pyrene
ON2068	p-Benzoquinone / Cyclohexadienedione
ON2062	Benzotrichloride / Benzene, trichloromethyl-
ON2069	1,2-Benzphenanthrene / Chrysene
ON2070	2,2'-Bioxirane / D-Threitol, 1,2:3,4-dianhydro-
ON2064	(1,1'-Biphenyl)-4,4'-diamine / Benzidine
ON2071	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro- / 3,3'-Dichlorobenzidine
ON2072	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethoxy- / 3,3'-Dimethoxybenzidine
ON2073	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethyl- / 3,3'-Dimethylbenzidine

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2074	Bis(2-chloroethoxy)methane / Ethane, 1,1'-(methylene-bis(oxy))bis(2-chloro-
ON2075	Bis(2-chloroisopropyl) ether / Ether, bis(2-chloro-1-methylethyl)
ON2076	Bis(dimethylthiocarbamoyl) disulphide / Thiram
ON2036	Bis(2-ethylhexyl) phthalate / 1,2-Benzenedicarboxylic acid, (bis(2-ethylhexyl)) ester
ON2077	Bromine cyanide / Cyanogen bromide
ON2078	Bromoform / Tribromomethane
ON2033	4-Bromophenyl phenyl ether / Benzene, 1-bromo-4-phenoxy-
ON2079	1,3-Butadiene, 1,1,2,3,4,4-hexachloro- / Hexachloro-butadiene
ON2080	1-Butanamine, N-butyl-N-nitroso- / N-Nitrosodi-n-butylamine
ON2081	Butanoic acid, 4-(bis(2-chloroethyl)amino)benzene- / Chlorambucil
ON2082	1-Butanol / n-Butyl alcohol
ON2083	2-Butanone / Methyl ethyl ketone
ON2084	2-Butanone peroxide / Methyl ethyl ketone peroxide
ON2085	2-Butenal / Crotonaldehyde
ON2086	2-Butene, 1,4-dichloro- / 1,4-Dichloro-2-butene
ON2082	n-Butyl alcohol / 1-Butanol
ON2087	Cacodylic acid / Arsine oxide, dimethylhydroxy-
ON2088	Calcium chromate / Chromic acid, calcium salt
ON2089	Carbamic acid, ethyl ester / Ethyl carbamate (urethane)
ON2090	Carbamic acid, methylnitroso-, ethyl ester / N-Nitroso-N-methylurethane
ON2091	Carbamide, N-ethyl-N-nitroso- / 1-Nitroso-1-ethylurea

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2092	Carbamide, N-methyl-N-nitroso- / 1-Nitroso-1-methylurea
ON2093	Carbamide, thio- / Thiourea
ON2094	Carbamoyl chloride, dimethyl- / Dimethylcarbamoyl chloride
ON2095	Carbonic acid, dithallium (I) salt / Thallium carbonate
ON2096	Carbonochloridic acid, methyl ester / Methyl chloroformate
ON2097	Carbon oxyfluoride / Carbonyl fluoride
ON2098	Carbon tetrachloride / Tetrachloromethane
ON2097	Carbonyl fluoride / Fluorophosgene
ON2002	Chloral / Trichloroacetaldehyde
ON2081	Chlorambucil / Butanoic acid, 4-(bis(2-chloroethyl)- amino)benzene-
ON2099	Chlordane / 4,7-Methanoindan, 1,2,4,5,6,7,8,8- octachloro-3a,4,7,7a-tetrahydro-
ON2100	Chlornaphazine / 2-Naphthylamine, N,N'-bis- (2-chloroethyl)-
ON2034	Chlorobenzene / Benzene, chloro-
ON2101	4-Chloro-m-cresol / 4-Chloro-3-methylphenol
ON2102	1-Chloro-2,3-epoxypropane / Epichlorohydrin
ON2103	2-Chloroethyl vinyl ether / Ethene, 2-chloroethoxy-
ON2104	Chloroform / Trichloromethane
ON2105	Chloromethyl methyl ether / Methylchloromethyl ether
ON2106	beta-Chloronaphthalene / Naphthalene, 2-chloro-
ON2107	o-Chlorophenol / 2-Chlorophenol
ON2026	4-Chloro-o-toluidine hydrochloride / 2-Amino-5- chlorotoluene hydrochloride
ON2088	Chromic acid, calcium salt / Calcium chromate
ON2069	Chrysene / 1,2-Benzphenanthrene

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2108	Creosote
ON2109	Cresols
ON2110	Cresylic acid
ON2085	Crotonaldehyde / 2-Butenal
ON2056	Cumene / Isopropylbenzene
ON2077	Cyanogen bromide / Bromocyanide
ON2068	1,4-Cyclohexadienedione / Benzoquinone
ON2048	Cyclohexane / Benzene, hexahydro-
ON2111	Cyclohexanone / Anone
ON2112	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- / Hexachlorocyclopentadiene
ON2113	Cyclophosphamide / 2H-1,3,2-Oxazaphosphorine, 2-(bis(2-chloroethyl)amino)tetrahydro-, oxide 2-
ON2114	2,4-D, salts and esters / 2,4-Dichlorophenoxyacetic acid, salts and esters
ON2115	Daunomycin / 5,12-Naphthacenedione, (8S-cis)-8-acetyl- 10-((3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexo- pyranosyl)oxyl)-7,8,9,10-tetrahydro-6,8,11- trihydroxyl-methoxy-
ON2116	DDD / Dichlorodiphenyldichloroethane
ON2117	DDT / Dichlorodiphenyltrichloroethane
ON2118	Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta(c,d)- pentalen-2-one / Kepone or Chlordecone
ON2119	Diallate / S-(2,3-Dichloroallyl) diisopropylthio- carbamate
ON2120	Diamine / Hydrazine
ON2121	Diaminotoluene / Toluenediamine
ON2122	Dibenz(a,h)anthracene / 1,2,5,6-Dibenzanthracene
ON2122	1,2,5,6-Dibenzanthracene / Dibenz(a,h)anthracene
ON2123	1,2,7,8-Dibenzopyrene / Dibenz(a,i)pyrene

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2123	Dibenz(a,i)pyrene / 1,2,7,8-Dibenzopyrene
ON2124	1,2-Dibromo-3-chloropropane / Propane, 1,2-dibromo-3-chloro-
ON2125	Dibromomethane / Methylene bromide
ON2037	Dibutyl phthalate / 1,2-Benzenedicarboxylic acid, dibutyl ester
ON2119	S-(2,3-Dichloroallyl) diisopropylthiocarbamate / Diallate
ON2041	o-Dichlorobenzene / 1,2-Dichlorobenzene
ON2042	m-Dichlorobenzene / 1,3-Dichlorobenzene
ON2043	p-Dichlorobenzene / 1,4-Dichlorobenzene
ON2071	3,3'-Dichlorobenzidine / (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro-
ON2086	1,4-Dichloro-2-butene / 1,4-Dichlorobutene-2
ON2126	Dichlorodifluoromethane / Methane, dichlorodifluoro-
ON2127	3,5-Dichloro-N-(1,1-dimethyl-2-propynyl) benzamide / Pronamide
ON2116	Dichlorodiphenyldichloroethane / DDD
ON2117	Dichlorodiphenyltrichloroethane / DDT
ON2128	1,1-Dichloroethylene / Ethene, 1,1-dichloro-
ON2129	1,2-Dichloroethylene / Ethene, trans-1,2-dichloro-
ON2130	Dichloroethyl ether / Ether, bis(2-chloroethyl)
ON2131	Dichloromethane / Methylene chloride
ON2132	2,4-Dichlorophenol / Phenol, 2,4-dichloro-
ON2133	2,6-Dichlorophenol / Phenol, 2,6-dichloro-
ON2114	2,4-Dichlorophenoxyacetic acid, salts and esters / 2,4-D, salts and esters
ON2134	1,2-Dichloropropane / Propylene dichloride
ON2135	1,3-Dichloropropene / Propene, 1,3-dichloro-
ON2070	1,2:3,4-Diepoxybutane / 2,2'-Bioxirane

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2136	1,4-Diethylene dioxide / 1,4-Dioxane
ON2137	Diethyl ether / Ethyl ether
ON2138	N,N-Diethylhydrazine / Hydrazine, 1,2-diethyl-
ON2139	O,O-Diethyl-S-methyl-dithiophosphate / Phosphoro- dithioic acid, O,O-diethyl-, S-methyl ester
ON2038	Diethyl phthalate / 1,2-Benzenedicarboxylic acid, diethyl ester
ON2140	Diethylstilbestrol / 4,4'-Stilbenediol, alpha,alpha'-diethyl-
ON2141	1,2-Dihydro-3,6-pyridazinedione / Maleic hydrazide
ON2055	Dihydrosafrole / Benzene, 1,2-methylenedioxy- 4-propyl-
ON2072	3,3'-Dimethoxybenzidine / (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethoxy-
ON2142	Dimethylamine / Methanamine, N-methyl-
ON2027	Dimethylaminoazobenzene / Benzenamine, N,N'-dimethyl-4-phenylazo-
ON2025	7,12-Dimethylbenz(a)anthracene / 1,2-Benzanthracene, 9,10-dimethyl-
ON2073	3,3'-Dimethylbenzidine / (1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethyl-
ON2143	alpha, alpha-Dimethylbenzylhydroperoxide / Cumene hydroperoxide
ON2094	Dimethylcarbamoyl chloride / Carbamoyl chloride, dimethyl-
ON2144	1,1-Dimethylhydrazine / Hydrazine, 1,1-dimethyl-
ON2145	1,2-Dimethylhydrazine / Hydrazine, 1,2-dimethyl-
ON2146	2,4-Dimethylphenol / Xylenol
ON2039	Dimethyl phthalate / 1,2-Benzenedicarboxylic acid, dimethyl ester
ON2147	Dimethyl sulphate / Sulphuric acid, dimethyl ester
ON2051	2,4-Dinitrotoluene / Benzene, 1-methyl-2,4-dinitro-

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2052	2,6-Dinitrotoluene / Benzene, 1-methyl-2,6-dinitro-
ON2040	Di-n-octyl phthalate / 1,2-Benzenedicarboxylic acid, di-n-octyl ester
ON2136	1,4-Dioxane / 1,4-Diethylene dioxide
ON2148	1,2-Diphenylhydrazine / Hydrazine, 1,2-diphenyl-
ON2149	Dipropylamine / 1-Propanamine, N-propyl-
ON2150	Di-N-propylnitrosamine / N-Nitroso-N-dipropylamine
ON2102	Epichlorohydrin / ECH
ON2001	Ethanal / Acetaldehyde
ON2151	Ethanamine, N-ethyl-N-nitroso- / N-Nitrosodiethylamine
ON2152	Ethane, 1,2-dibromo- / Ethylene dibromide
ON2153	Ethane, 1,1-dichloro- / 1,1-Dichloroethane
ON2154	Ethane, 1,2-dichloro- / Ethylene dichloride
ON2155	1,2-Ethanediylobiscarbamodithioic acid / Ethylenebis- (dithiocarbamic acid)
ON2156	Ethane, 1,1,1,2,2,2-hexachloro- / Hexachloroethane
ON2074	Ethane, 1,1'-(methylenebis(oxy))bis(2-chloro- / Bis- (2-chloroethoxy)methane
ON2008	Ethanenitrile / Acetonitrile
ON2137	Ethane, 1,1'-oxybis- / Diethyl ether
ON2130	Ethane, 1,1'-oxybis(2-chloro- / Dichloroethyl ether
ON2157	Ethane, pentachloro- / Pentachloroethane
ON2158	Ethane, 1,1,1,2-tetrachloro- / 1,1,1,2-Tetrachloroethane
ON2159	Ethane, 1,1,2,2-tetrachloro- / 1,1,2,2-Tetrachloroethane
ON2160	Ethanethioamide / Thioacetamide
ON2161	Ethane, 1,1,1-trichloro- / 1,1,1-Trichloroethane
ON2162	Ethane, 1,1,2-trichloro- / 1,1,2-Trichloroethane

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2163	Ethane, 1,1,1-trichloro-2,2-bis(p-methoxyphenyl- / Methoxychlor
ON2164	Ethanol, 2,2'(nitrosoimino)bis- / N-Nitrosodi- ethanolamine
ON2010	Ethanone, 1-phenyl- / Acetophenone
ON2011	Ethanoyl chloride / Acetyl chloride
ON2165	Ethene, chloro- / Vinyl chloride
ON2103	Ethene, 2-chloroethoxy- / 2-Chloroethyl vinyl ether
ON2128	Ethene, 1,1-dichloro- / 1,1-Dichloroethylene
ON2129	Ethene, trans-1,2-dichloro- / 1,2-Dichloroethylene
ON2166	Ethene, 1,1,2,2-tetrachloro- / Tetrachloroethylene or Perchloroethylene
ON2005	Ethyl acetate / Acetic acid, ethyl ester
ON2167	Ethyl acrylate / 2-Propenoic acid, ethyl ester
ON2089	Ethyl carbamate (urethane) / Carbamic acid, ethyl ester
ON2032	Ethyl 4,4'-dichlorobenzilate / Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy, ethyl ester
ON2155	Ethylenebis(dithiocarbamic acid) / 1,2-Ethanediybis- carbamodithioic acid
ON2152	Ethylene dibromide / Ethane, 1,2-dibromo-
ON2154	Ethylene dichloride / Ethane, 1,2-dichloro-
ON2168	Ethylene oxide / Oxirane
ON2169	Ethylene thiourea / 2-Imidazolidinethione
ON2137	Ethyl ether / Diethyl ether
ON2153	Ethylidene dichloride / 1,1-Dichloroethane
ON2170	Ethyl methacrylate / Methacrylic acid, ethyl ester
ON2171	Ethyl methanesulphonate / Methanesulphonic acid, ethyl ester
ON2083	Ethyl methyl ketone / Methyl ethyl ketone

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2172	Ferric dextran / Iron dextran
ON2066	Fluoranthene / Benzo(j,k)fluorene
ON2173	Formaldehyde / Methylene oxide
ON2174	Formic acid / Methanoic acid
ON2175	Furan / Furfuran
ON2176	2-Furancarboxaldehyde / Furfural
ON2177	2,5-Furandione / Maleic anhydride
ON2178	Furan, tetrahydro- / Tetrahydrofuran
ON2176	Furfural / Furfuraldehyde
ON2175	Furfuran / Furan
ON2179	D-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)- / Streptozotocin
ON2180	Glycidylaldehyde / Glycidaldehyde
ON2181	Guanidine, N-nitroso-N-methyl-N'-nitro- / N-Methyl-N'- nitro-N-nitrosoguanidine
ON2047	Hexachlorobenzene / Benzene, hexachloro-
ON2079	Hexachlorobutadiene / 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
ON2182	Hexachlorocyclohexane (gamma isomer) / Lindane
ON2112	Hexachlorocyclopentadiene / 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
ON2156	Hexachloroethane / Ethane, hexachloro-
ON2183	Hexachlorophene / 2,2'-Methylenebis- (3,4,6-trichlorophenol)
ON2184	Hexachloropropene / Hexachloropropylene
ON2120	Hydrazine / Diamine
ON2138	Hydrazine, 1,2-diethyl- / N,N-Diethylhydrazine
ON2144	Hydrazine, 1,1-dimethyl- / 1,1-Dimethylhydrazine
ON2145	Hydrazine, 1,2-dimethyl- / 1,2-Dimethylhydrazine

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2148	Hydrazine, 1,2-diphenyl- / 1,2-Diphenylhydrazine
ON2185	Hydrofluoric acid
ON2186	Hydrogen fluoride
ON2187	Hydrogen sulphide / Sulphur hydride
ON2143	Hydroperoxide, 1-methyl-1-phenylethyl- / alpha,alpha-Dimethylbenzylhydroperoxide
ON2087	Hydroxydimethylarsine oxide / Cacodylic acid
ON2169	2-Imidazolidinethione / Ethylene thiourea
ON2188	Indeno(1,2,3-cd)pyrene / 2,3-Phenylene-pyrene
ON2172	Iron dextran / Imferon
ON2189	Isobutyl alcohol / Isobutanol
ON2056	Isopropylbenzene / Benzene, (1-methylethyl)-
ON2054	Isosafrole / Benzene, 1,2-methylenedioxy-4-propenyl-
ON2118	Kepone / Chlordecone
ON2190	Lasiocarpine / 2-Methyl-2-butenic acid 7-((2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy)methyl)-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester
ON2006	Lead acetate / Acetic acid, lead salt
ON2191	Lead phosphate / Phosphoric acid, lead salt
ON2192	Lead subacetate / Monobasic lead acetate
ON2182	Lindane / gamma-Benzene hexachloride
ON2177	Maleic anhydride / 2,5-Furandione
ON2141	Maleic hydrazide / 1,2-Dihydro-3,6-pyridazinedione
ON2193	Malononitrile / Malonic dinitrile
ON2015	Melphalan / Alanine, 3-(p-bis(2-chloroethyl)amino)-phenyl-, L-
ON2194	Mercury
ON2195	Methacrylonitrile / 2-Propenenitrile, 2-methyl-

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2142	Methanamine, N-methyl- / Dimethylamine
ON2196	Methane, bromo- / Methyl bromide
ON2197	Methane, chloro- / Methyl chloride
ON2105	Methane, chloromethoxy- / Methylchloromethyl ether
ON2125	Methane, dibromo- / Dibromomethane
ON2131	Methane, dichloro- / Dichloromethane
ON2126	Methane, dichlorodifluoro- / Dichlorodifluoromethane
ON2198	Methane, iodo- / Methyl iodide
ON2171	Methanesulphonic acid, ethyl ester / Ethyl methanesulphonate
ON2098	Methane, tetrachloro- / Carbon tetrachloride
ON2199	Methanethiol / Methyl mercaptan
ON2078	Methane, tribromo- / Bromoform
ON2104	Methane, trichloro- / Chloroform
ON2200	Methane, trichlorofluoro- / Trichlorofluoromethane
ON2174	Methanoic acid / Formic acid
ON2099	4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro- 3a,4,7,7a-tetrahydro- / Chlordane
ON2201	Methanol / Methyl alcohol
ON2202	Methapyrilene / Pyridine, 2-((2-(dimethylamino)ethyl)- 2-thenylamino)-
ON2163	Methoxychlor / Ethane, 1,1,1-trichloro-2,2-bis(p- methoxyphenyl-
ON2201	Methyl alcohol / Methanol
ON2196	Methyl bromide / Methane, bromo-
ON2203	1-Methylbutadiene / 1,3-Pentadiene
ON2197	Methyl chloride / Methane, chloro-
ON2096	Methyl chlorocarbonate / Methyl chloroformate

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2161	Methylchloroform / 1,1,1-Trichloroethane
ON2096	Methyl chloroformate / Methyl chlorocarbonate
ON2105	Methyl chloromethyl ether / Chloromethyl methyl ether
ON2021	3-Methylcholanthrene / Benz(j)aceanthrylene, 1,2-dihydro-3-methyl-
ON2008	Methyl cyanide / Acetonitrile
ON2028	4,4'-Methylenebis(2-chloroaniline) / Benzenamine, 4,4'- -methylenebis(2-chloro-
ON2183	2,2'-Methylenebis(3,4,6-trichlorophenol) / Hexa- chlorophene
ON2125	Methylene bromide / Dibromomethane
ON2131	Methylene chloride / Dichloromethane
ON2173	Methylene oxide / Formaldehyde
ON2083	Methyl ethyl ketone / Ethyl methyl ketone
ON2084	Methyl ethyl ketone peroxide / Ethyl methyl ketone peroxide
ON2198	Methyl iodide / Methane, iodo-
ON2204	Methyl isobutyl ketone / MIBK
ON2199	Methyl mercaptan / Methanethiol
ON2205	Methyl methacrylate / 2-Propenoic acid, 2-methyl-, methyl ester
ON2181	N-Methyl-N'-nitro-N-nitrosoguanidine / Guanidine, N-nitroso-N-methyl-N'nitro-
ON2204	4-Methyl-2-pentanone / Methyl isobutyl ketone
ON2206	Methylthiouracil / 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
ON2020	Mitomycin C / Azirino(2',3':3,4)pyrrolo(1,2a)- indole-4,7-dione, 6-amino-8-(((aminocarbonyl)oxy)- methyl)-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5- methyl-

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2115	5,12-Naphthacenedione, (8S-cis)-8-acetyl-10-((3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxyl)-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy- / Daunomycin
ON2207	Naphthalene
ON2106	Naphthalene, 2-chloro- / beta-Chloronaphthalene
ON2208	1,4-Naphthalenedione / 1,4-Naphthoquinone
ON2209	2,7-Naphthalenedisulphonic acid, 3,3'-((3,3'-dimethyl-4,4'-biphenylene)bis(azo))bis(5-amino-4-hydroxy-, tetrasodium salt / Trypan Blue
ON2208	1,4-Naphthoquinone / 1,4-Naphthalenedione
ON2210	1-Naphthylamine / alpha-Naphthylamine
ON2211	2-Naphthylamine / beta-Naphthylamine
ON2210	alpha-Naphthylamine / 1-Naphthylamine
ON2211	beta-Naphthylamine / 2-Naphthylamine
ON2100	2-Naphthylamine, N,N'-bis(2-chloroethyl)- / Chlornaphazine
ON2057	Nitrobenzene / Benzene, nitro-
ON2212	p-Nitrophenol / 4-Nitrophenol
ON2213	2-Nitropropane / Propane, 2-nitro-
ON2080	N-Nitrosodi-n-butylamine / 1-Butanamine, N-butyl-N-nitroso-
ON2164	N-Nitrosodiethanolamine / Ethanol, N-nitrosoiminodi-
ON2151	N-Nitrosodiethylamine / Ethanamine, N-ethyl-N-nitroso-
ON2150	N-Nitroso-N-propylamine / Di-N-propylnitrosamine
ON2091	N-Nitroso-N-ethylurea / N-Ethyl-N-nitrosocarbamide
ON2092	N-Nitroso-N-methylurea / N-Methyl-N-nitrosocarbamide
ON2090	N-Nitroso-N-methylurethane / Carbamic acid, methylnitroso-, ethyl ester
ON2214	N-Nitrosopiperidine / Pyridine, hexahydro-N-nitroso-

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2215	N-Nitrosopyrrolidine / Pyrrole, tetrahydro-N-nitroso-
ON2030	5-Nitro-o-toluidine / Benzenamine, 2-methyl-5-nitro-
ON2216	1,2-Oxathiolane 2,2-dioxide / 1,3-Propane sultone
ON2113	2H-1,3,2-Oxazaphosphorine, 2-(bis(2-chloroethyl)amino)- tetrahydro-, oxide 2- / Cyclophosphamide
ON2168	Oxirane / Ethylene oxide
ON2102	Oxirane, 2-(chloromethyl)- / Epichlorohydrin
ON2217	Paraldehyde / s-Trioxane, 2,4,6-trimethyl-
ON2058	Pentachlorobenzene / Benzene, pentachloro-
ON2157	Pentachloroethane / Ethane, pentachloro-
ON2059	Pentachloronitrobenzene / Benzene, pentachloronitro-
ON2218	Pentachlorophenol / Phenol, pentachloro-
ON2203	1,3-Pentadiene / Piperylene
ON2003	Phenacetin / N-(4-Ethoxyphenyl)acetamide
ON2049	Phenol / Hydroxybenzene
ON2107	Phenol, 2-chloro- / o-Chlorophenol
ON2101	Phenol, 4-chloro-3-methyl- / 4-Chloro-m-cresol
ON2132	Phenol, 2,4-dichloro- / 2,4-Dichlorophenol
ON2133	Phenol, 2,6-dichloro- / 2,6-Dichlorophenol
ON2146	Phenol, 2,4-dimethyl- / Xylenol
ON2212	Phenol, 4-nitro- / p-Nitrophenol
ON2218	Phenol, pentachloro- / Pentachlorophenol
ON2219	Phenol, 2,3,4,6-tetrachloro- / 2,3,4,6-Tetrachlorophenol
ON2220	Phenol, 2,4,5-trichloro- / 2,4,5-Trichlorophenol
ON2221	Phenol, 2,4,6-trichloro- / 2,4,6-Trichlorophenol
ON2188	2,3-Phenylene-pyrene / Indeno(1,2,3-cd)pyrene

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2191	Phosphoric acid, lead salt / Lead phosphate
ON2139	Phosphorodithioic acid, O,O-diethyl-, S-methyl ester / O,O-Diethyl-S-methyl-dithiophosphate
ON2222	Phosphorus sulphide / Phosphorus pentasulphide
ON2035	Phthalic anhydride / 1,2-Benzenedicarboxylic acid anhydride
ON2223	2-Picoline / 2-Methylpyridine
ON2127	Pronamide / 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl) benzamide
ON2224	1-Propanamine / n-Propylamine
ON2149	1-Propanamine, N-propyl- / Dipropylamine
ON2124	Propane, 1,2-dibromo-3-chloro- / 1,2-Dibromo-3- chloropropane
ON2193	Propanedinitrile / Malononitrile
ON2213	Propane, 2-nitro- / 2-Nitropropane
ON2075	Propane, 2,2'-oxybis(2-chloro- / Bis(2-chloroisopropyl) ether
ON2216	1,3-Propane sultone / 1,2-Oxathiolane, 2,2-dioxide
ON2225	1-Propanol, 2,3-dibromo-, phosphate (3:1) / Tris- (2,3-dibromopropyl) phosphate
ON2180	1-Propanol, 2,3-epoxy- / Glycidaldehyde
ON2189	1-Propanol, 2-methyl- / Isobutanol
ON2226	2-Propanone / Acetone
ON2012	2-Propenamide / Acrylamide
ON2135	Propene, 1,3-dichloro- / 1,3-Dichloropropene
ON2184	1-Propene, 1,1,2,3,3,3-hexachloro- / Hexachloropropene
ON2014	2-Propenenitrile / Acrylonitrile
ON2195	2-Propenenitrile, 2-methyl- / Methacrylonitrile
ON2013	2-Propenoic acid / Acrylic acid

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2167	2-Propenoic acid, ethyl ester / Ethyl acrylate
ON2170	2-Propenoic acid, 2-methyl-, ethyl ester / Ethyl methacrylate
ON2205	2-Propenoic acid, 2-methyl-, methyl ester / Methyl methacrylate
ON2227	Propionic acid, 2-(2,4,5-trichlorophenoxy)- / Silvex
ON2224	n-Propylamine / 1-Propanamine
ON2134	Propylene dichloride / 1,2-Dichloropropane
ON2228	Pyridine / Azabenzene
ON2202	Pyridine, 2-((2-(dimethylamino)ethyl)-2-thenylamino)- / Methapyrilene
ON2214	Pyridine, hexahydro-N-nitroso- / N-Nitrosopiperidine
ON2223	Pyridine, 2-methyl- / 2-Picoline
ON2206	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo- / Methylthiouracil
ON2215	Pyrrole, tetrahydro-N-nitroso- / N-Nitrosopyrrolidine
ON2229	Reserpine / 3,4,5-Trimethoxybenzoyl methyl reserpate
ON2046	Resorcinol / 1,3-Benzenediol
ON2065	Saccharin and salts / 1,2-Benzisothiazolin-3-one, 1,1-dioxide and salts
ON2055	Safrole / Benzene, 1,2-methylenedioxy-4-allyl-
ON2230	Selenious acid / Monohydrated selenium dioxide
ON2231	Selenium dioxide / Selenium oxide
ON2232	Selenium disulphide / Sulphur selenide
ON2019	L-Serine, diazoacetate (ester) / Azaserine
ON2227	Silvex / Propionic acid, 2-(2,4,5-trichlorophenoxy)-
ON2140	4,4'-Stilbenediol, alpha,alpha'-diethyl- / Diethylstilbestrol
ON2179	Streptozotocin / D-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-

<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2187	Sulphur hydride / Hydrogen sulphide
ON2147	Sulphuric acid, dimethyl ester / Dimethyl sulphate
ON2222	Sulphur phosphide / Phosphorus pentasulphide
ON2232	Sulphur selenide / Selenium disulphide
ON2233	2,4,5-T / 2,4,5-Trichlorophenoxyacetic acid
ON2061	1,2,4,5-Tetrachlorobenzene / Benzene, 1,2,4,5-tetrachloro-
ON2158	1,1,1,2-Tetrachloroethane / Ethane, 1,1,1,2-tetrachloro-
ON2159	1,1,2,2-Tetrachloroethane / Ethane, 1,1,2,2-tetrachloro-
ON2166	Tetrachloroethylene / Perchloroethylene
ON2219	2,3,4,6-Tetrachlorophenol / Phenol, 2,3,4,6-tetrachloro-
ON2178	Tetrahydrofuran / Oxolane
ON2007	Thallium (I) acetate / Acetic acid, thallium (I) salt
ON2095	Thallium (I) carbonate / Carbonic acid, dithallium (I) salt
ON2234	Thallium (I) chloride / Thallous chloride
ON2235	Thallium (I) nitrate / Thallous nitrate
ON2160	Thioacetamide / Ethanethioamide
ON2199	Thiomethanol / Methyl mercaptan
ON2093	Thiourea / Thiocarbamide
ON2076	Thiram / Bis(dimethylthiocarbamoyl) disulphide
ON2050	Toluene / Methylbenzene
ON2121	Toluenediamine / Diaminotoluene
ON2044	Toluene diisocyanate / Benzene, 2,4-diisocyanato- 1-methyl-
ON2029	O-Toluidine hydrochloride / Benzenamine, 2-methyl-, hydrochloride

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<u>NUMBER</u>	<u>NAME OF CHEMICAL</u>
ON2016	1H-1,2,4-Triazol-3-amine / Amitrole
ON2161	1,1,1-Trichloroethane / Ethane, 1,1,1-trichloro-
ON2162	1,1,2-Trichloroethane / Ethane, 1,1,2-trichloro-
ON2236	Trichloroethene / Trichloroethylene
ON2236	Trichloroethylene / Trichloroethene
ON2200	Trichloromonofluoromethane / Trichlorofluoromethane
ON2220	2,4,5-Trichlorophenol / Phenol, 2,4,5-trichloro-
ON2221	2,4,6-Trichlorophenol / Phenol, 2,4,6-trichloro-
ON2233	2,4,5-Trichlorophenoxyacetic acid / 2,4,5-T
ON2063	sym-Trinitrobenzene / 1,3,5-Trinitrobenzene
ON2217	1,3,5-Trioxane, 2,4,6-trimethyl- / Paraldehyde
ON2225	Tris(2,3-dibromopropyl) phosphate / 1-Propanol, 2,3-dibromo-, phosphate
ON2209	Trypan blue / 2,7-Naphthalenedisulphonic acid, 3,3'-((3,3'-dimethyl-4,4'-biphenylene)bis(azo))-bis(5-amino-4-hydroxy-, tetrasodium salt
ON2237	Uracil, 5-(bis(2-chloroethyl)amino)- / Uracil mustard
ON2237	Uracil mustard / Uracil, 5-(bis(2-chloroethyl)amino)-
ON2165	Vinyl chloride / Ethene, chloro-
ON2009	Warfarin, when present at concentrations of 0.3 percent or less / 3-(alpha-Acetylbenzyl)-4-hydroxy-coumarin and salts, when present at concentrations of 0.3 percent or less
ON2045	Xylene / Dimethylbenzene
ON2146	Xylenol / 2,4-Dimethylphenol
ON2229	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-((3,4,5-trimethoxybenzoyl)oxyl)-, methyl ester / Reserpine
ON2238	Zinc phosphide, when present at concentrations of 10 percent or less

SCHEDULE 2E

EXEMPT ACUTE HAZARDOUS WASTE CHEMICALS

EXEMPT HAZARDOUS WASTE CHEMICALS

(There are no wastes currently listed in this Schedule)

APPENDIX 7

Schedule 3

Severely Toxic Contaminants

SCHEDULE 3

SEVERELY TOXIC CONTAMINANTS

<u>Number</u>	<u>Contaminant</u>
ON3001	Aflatoxin
ON3002	2,3,7,8-Tetrachlorodibenzo-p-dioxin
ON3003	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
ON3004	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
ON3005	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
ON3006	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
ON3007	2,3,7,8-Tetrachlorodibenzo furan

APPENDIX 8

Schedule 4 Leachate Quality Criteria

SCHEDULE 4

LEACHATE QUALITY CRITERIA

<u>Number</u>	<u>Contaminant</u>	<u>Concentration (milligrams per litre)</u>
ON4001	2,4,5-TP / Silvex / 2-(2,4,5-Trichlorophenoxy) propionic acid	0.01
ON4002	2,4-D	0.1
ON4003	Aldrin + Dieldrin	0.0007
ON4004	Arsenic	0.05
ON4005	Barium	1.0
ON4006	Boron	5.0
ON4007	Cadmium	0.005
ON4008	Carbaryl / 1-Naphthyl-N-methyl carbamate / Sevin	0.07
ON4009	Chlordane	0.007
ON4010	Chromium	0.05
ON4011	Cyanide (free)	0.2
ON4012	DDT	0.03
ON4013	Diazinon / Phosphordithioic acid, O,O-diethyl O-(2-isopropyl- 6-methyl-4-pyrimidinyl) ester	0.014
ON4014	Endrin	0.0002
ON4015	Fluoride	2.4
ON4016	Heptachlor + Heptachlor epoxide	0.003
ON4017	Lead	0.05

ON4018	Lindane	0.004
ON4019	Mercury	0.001
ON4020	Methoxychlor / 1,1,1-Trichloro-2, 2-bis(p-methoxyphenyl)ethane	0.1
ON4021	Methyl Parathion	0.007
ON4022	Nitrate + Nitrite	10.0
ON4023	Nitrilotriacetic acid	0.05
ON4024	Nitrite	1.0
ON4025	PCBs	0.003
ON4026	Parathion	0.035
ON4027	Selenium	0.01
ON4028	Silver	0.05
ON4029	Toxaphene	0.005
ON4030	Trihalomethanes	0.35
ON4031	Uranium	0.02

APPENDIX 9

Regulation 11/82

THE ENVIRONMENTAL PROTECTION ACT

O. Reg. 11/82.
Waste Management—PCBs.
Made—December 23rd, 1981
Filed—January 15th, 1982

REGULATION MADE UNDER THE ENVIRONMENTAL PROTECTION ACT

WASTE MANAGEMENT—PCBs

1. In this Regulation,

- (a) "hold" includes own, possess and have care or control of and "holder" has a similar meaning;
- (b) "PCB" means any monochlorinated or polychlorinated biphenyl or any mixture of them or any mixture that contains one or more of them;
- (c) "PCB equipment" means equipment designed or manufactured to operate with PCB liquid or to which PCB liquid was added or drums and other containers used for the storage of PCB liquid;
- (d) "PCB liquid" means,
 - (i) liquids, other than liquids used or proposed for use for road oiling, containing PCBs at a concentration of more than fifty parts per million by weight,
 - (ii) liquids used or proposed for use for road oiling, containing PCBs at a concentration of more than five parts per million by weight, and
 - (iii) liquids made contrary to section 6 by diluting liquids referred to in sub-clause (i) or (ii);
- (e) "PCB materials" means materials containing PCBs at a concentration of more than fifty parts per million by weight whether the material is liquid or not;
- (f) "PCB waste" means,
 - (i) PCB equipment,
 - (ii) PCB liquid, or
 - (iii) PCB material,but does not include,
 - (iv) PCB material or PCB equipment after it has been decontaminated pursuant

to guidelines issued by the Ministry of the Environment or instructions issued by the Director,

- (v) PCB equipment that is,
 - (A) an electrical capacitor that has never contained over one kilogram of PCBs,
 - (B) electrical, heat transfer or hydraulic equipment or a vapour diffusion pump that is being put to the use for which it was originally designed or is being stored for such use by a person who uses such equipment for the purpose for which it was originally designed, or
 - (C) machinery or equipment referred to in sub-subclause (vi) (A), or
- (vi) PCB liquid that,
 - (A) is at the site of fixed machinery or equipment, the operation of which is intended to destroy the chemical structure of PCBs by using the PCBs as a source of fuel or chlorine for purposes other than the destruction of PCBs or other wastes and with respect to which a certificate of approval has been issued under section 8 of the Act after the 1st day of January, 1981 specifying the manner in which PCB liquid be processed in the machinery or equipment, or
 - (B) is in PCB equipment referred to in sub-subclause (v) (B).
O. Reg. 11/82, s. 1; O. Reg. 575/84, s. 1.

2. PCB waste is designated as a waste. O. Reg. 11/82, s. 2.

3.—(1) Every site containing PCB waste and PCB related waste but not containing other wastes is classified as a PCB waste disposal site.

(2) In subsection (1), "PCB related waste" means waste containing low levels of PCBs or waste arising from a spill or clean up of PCB liquid or PCB waste. O. Reg. 575/84, s. 2.

4.—(1) Every operator of a waste disposal site shall keep records of all PCB waste held by him after the date this Regulation comes into force.

(2) The records referred to in subsection (1) shall include,

(a) the methods and times at which the PCB waste is received and delivered to and from the site; and

(b) where PCB waste is transported to and from the site, the location from or to which it is transported and the person by whom it is transported,

with respect to any delivery, receipt or transport of PCB waste after the date this Regulation comes into force, and

(c) a description of the nature and quantities of the PCB waste;

(d) the location of the waste disposal site; and

(e) the methods of storage of the PCB waste,

with respect to all PCB wastes at the waste disposal site.

(3) Every operator of a waste disposal site shall report to the Director the information required to be recorded under subsection (2),

(a) by telephone immediately, and in writing within three days, after a PCB waste first comes on the site; and

(b) in writing within thirty days after any other PCB waste is taken to or from the site.

(4) A record of a PCB waste transfer submitted to the Ministry under Regulation 313 of Revised Regulations of Ontario, 1980 satisfies the requirements of clauses (2) (b), (c) and (d) with respect to the PCB waste referred to in that record.

(5) Two years after an operator of a waste disposal site gives written notice to the Director that he has ceased to be a holder of PCB waste, he may dispose of records kept under subsection (1).

(6) Subsection (1) does not apply in respect of PCB waste that has been finally disposed of by burial before the 1st day of January, 1981. O. Reg. 11/82, s. 4.

5.—(1) A PCB waste disposal site is exempt from the provisions of sections 27, 39 and 40 of the Act.

(2) The exemption set out in subsection (1) is subject to the condition that,

(a) the operator of the site reports to the Director the information required to be recorded under subsection 4 (2);

(b) the operator of the site does not remove or permit to be removed,

(i) PCB waste containing over fifty litres of PCB liquid except in accordance with the written instructions of the Director,

(iii) any other PCB waste except,

(A) in accordance with written instructions of the Director, or

(B) to a waste management system or waste disposal site for which a certificate of approval has been issued after the 1st day of January, 1981 containing terms specifying the manner in which PCB waste may be stored, handled, treated, collected, transported, processed or disposed of;

(c) where there is any PCB liquid in electrical equipment or other container on the site, the operator of the site not remove the liquid from the container except,

(i) to transfer liquid from a leaking container upon notifying the Director of the transfer, or

(ii) pursuant to instructions of the Director; and

(d) no certificate of approval or provisional certificate of approval has been issued with respect to the site after the 1st day of January, 1981, specifying the manner in which PCB waste may be stored, handled, treated, collected, transported, processed or disposed of. O. Reg. 11/82, s. 5.

(3) In respect of a PCB waste disposal site that is offered for sale or lease or the possession of which is otherwise offered, the exemption set out in subsection (1) is subject to the conditions that,

(a) the person offering to sell, lease or otherwise give possession notifies, in writing,

(i) the prospective purchaser, tenant or person taking possession, of the existence of the site and the requirements, in law, concerning the site, and

(ii) the Director, of the sale, lease or change in possession; and

(b) where a sale, lease or change of possession occurs, the purchaser, tenant or person taking possession notifies, in writing, the Director, within ten days after the sale, lease or change of possession, of,

(i) the location of the site, and

(ii) the nature and quantity of PCB waste. O. Reg. 575/84, s. 3.

6. No person shall dispose of, decontaminate or otherwise manage PCB waste or dilute PCB waste that is in the form of a liquid except,

- (a) in or to a waste management system operating under a certificate of approval issued after the 1st day of January, 1981 containing terms specifying the manner in which PCB waste may be stored, handled, treated, collected, transported, processed, diluted or disposed of; or
- (b) in accordance with written instructions of the Director. O. Reg. 11/82, s. 6; O. Reg. 575/84, s. 4.

7. Every person storing PCB waste shall ensure that the PCB waste is in a safe and secure location so as to prevent PCB waste coming into contact with any

person and so that any liquid containing PCBs that may escape can be readily recovered and will not discharge, directly or indirectly, into a watercourse or groundwater. O. Reg. 11/82, s. 7.

8. No person shall have at a waste disposal site PCB wastes received by the person after this Regulation comes into force unless,

- (a) the PCB waste was delivered to the waste disposal site under written instructions of the Director; or
- (b) the waste disposal site is operated under a certificate of approval containing a condition referring to this section and specifying the circumstances under which PCB waste may be accepted at the waste disposal site. O. Reg. 11/82, s. 8.

APPENDIX 10

Completed Generator
Registration Reports

EXAMPLE 1.



Ontario

Generator Registration Report

"Regulation 309, R.R.O. 1980, Form 2"

IMPORTANT

Do not complete the attached report forms until you have reviewed the "Registration Guidance Manual for Generators of Liquid Industrial and Hazardous Waste".

Rapport d'inscription du producteur

"Règlement 309, R.R.O., 1980, formule 2"

REMARQUE

Consulter le "Guide d'inscription pour les producteurs des déchets industriels liquides et dangereux" avant de remplir les formules du rapport ci-jointes.



*NOTE Regulation 309 requires generators of hazardous or liquid industrial wastes to submit a Generator Registration Report using this form respecting each waste generation facility and each hazardous or liquid industrial waste.

REMARQUE Le règlement 309 exige que les producteurs de déchets industriels liquides ou dangereux présentent un Rapport d'inscription du producteur en se servant de la présente formule pour chaque lieu de production de déchets et chaque déchet industriel liquide ou dangereux

Part I - Generator Identification / Partie I - Identification du producteur

This report is / Le présent rapport constitue.		Generator Registration Number / N° d'inscription du producteur	
1	☒ an initial generator registration report / un premier rapport d'inscription du producteur		
or / ou			
2	☐ a revision - enter Ontario Generator Registration No / une révision - veuillez inscrire le numéro d'inscription du producteur de l'Ontario		
3	For generators located outside of Ontario, enter Registration Notification number assigned by your local environmental authority / Si vous êtes un producteur de l'extérieur de l'Ontario, veuillez inscrire le numéro d'inscription d'identification attribué par les autorités locales en matière d'environnement.		
Name of Generator (Enter the corporate name or, if a partnership or proprietorship, the name of the principal(s). If the generator intends to carry on business under a separate name or style, this should also be entered) / Nom du producteur (Veuillez inscrire la dénomination sociale ou, s'il s'agit d'une société en nom collectif ou d'une société à propriétaire unique, le nom du (des) principal (principaux) propriétaire(s). Si le producteur envisage d'exploiter une entreprise sous une dénomination ou un nom distinct, veuillez également le noter.)			
4	Name / Nom METAL-FAB LTD.		
5	Address / Adresse 281 MAIN STREET		
6	Municipality / Municipalité TORONTO	Province / State / Province / Etat ONT	Postal Code / Code postal M2B7V1
7	Site location / Lieu des installations 323 INDUSTRIAL DRIVE		
8	Municipality / Municipalité TORONTO	Province / State / Province / Etat ONT	Postal Code / Code postal M2H4X2
9	Name of contact / Nom de la personne à contacter JOHN WILSON	Tel No. / N° de tél. 4169649221	
10	Standard Industrial Classification Codes (SIC) for Site noted in Section 7 / Codes de la classification des activités économiques pour les installations décrites au n° 7 3041 3049		
11	Total number of wastes to be registered with this report / Nombre total de déchets à inscrire au moyen de ce rapport 1		
12	Name of Company Official / Nom du représentant autorisé de la compagnie JOHN WILSON	13	Position / Poste PLANT MANAGER
14	Signature / Signature John Wilson	15	Date / Date Sept. 27, 1985
PENALTY		PÉNALTIE	
All infractions may be punished by fines of up to \$2,000 (higher if environmental damage may result) / Toute infraction peut être sanctionnée par une amende maximale de 2 000 \$ (ou plus s'il peut en résulter une détérioration de l'environnement) (Environmental Protection Act sections 47 and 147) / (Articles 47 et 147 de la Loi sur la protection de l'environnement)			
16	Ministry Use Only / Réserve au ministère		
	County Code / Code de comté		
	Regional District Code / Code de région district		
	Municipal Code / Code de municipalité		
	Inter City Tie Line / Ligne privée interurbaine		

Part 2 – Waste Identification / Partie 2 – Identification des déchets

1	Description of Waste / Description des déchets	Spent paint solvents (primarily turpentine) and paint residues		
2	Description of generating process / Description du procédé de production	spray painting/coating of pressed metal products		
3	Waste quantity generated or accumulated / Quantité des déchets produite ou accumulée	Continuous process / Procédé continu kg mo. / kg mois or / ou Batch process / par lots 5 300 batches mo. / lots mois kg batch / kg lot		
4	Primary characteristic / Caractéristique principale	IGNITABLE		
Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. / Données analytiques (le cas échéant). Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations. FLASH POINT (TAG CLOSED CUP) = 45°C				
Name of Laboratory (if applicable). / Laboratoire (le cas échéant) ONTARIO TESTING COMPANY LTD.				
Waste Class / Catégorie des déchets 145I		Hazardous Waste Number / Numéro des déchets dangereux UN 1299	Specific Gravity / Gravité spécifique 0.9	Physical State (Solid-S, Liquid-L, Gas-G) / État physique (solide-S, liquide-L, gaz-G) L
For Ministry Use Only / Réservé au ministère				
5	Secondary Characteristic / Caractéristique secondaire	LEACHATE TOXIC		
Analytical data (if applicable) / Données analytiques (le cas échéant) CHROMIUM CONCENTRATION (LEACHATE EXTRACTION PROCEDURE) = 7.7 mg/l				

Part 3 – Waste Management / Partie 3 – Gestion des déchets

1	Principal Intended Receiver / Réceptionnaire principal prévu	Receiver No. / N° du réceptionnaire
Company name and address / Nom et adresse de la compagnie WASTE TREATMENT LTD 111 BEVERLEY STREET		A041012
Municipality / Municipalité MISSISSAUGA		Province/State / Province/État ONT
		Postal Code / Code postal L5D2X1
2	Principal Intended Carrier / Transporteur principal prévu	MOE Carrier No. / N° du M. de l'E. du transporteur
Company name and address / Nom et adresse de la compagnie WASTE HAULER LTD. 224 ARNA AVE		A 804311
Municipality / Municipalité TORONTO		Province/State / Province/État ONT
		Postal Code / Code postal M6B1V1

EXAMPLE 2.



Generator Registration Report

"Regulation 309, R.R.O. 1980, Form 2"

IMPORTANT

Do not complete the attached report forms until you have reviewed the "Registration Guidance Manual for Generators of Liquid Industrial and Hazardous Waste".

Rapport d'inscription du producteur

"Règlement 309, R.R.O., 1980, formule 2"

REMARQUE

Consulter le "Guide d'inscription pour les producteurs des déchets industriels liquides et dangereux" avant de remplir les formules du rapport ci-jointes.



Ministry
of the
Environment

Ministère
de
l'Environnement

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Generator Registration Report

Regulation 309, R.R.O. 1980 Form 2

Rapport d'inscription du producteur

Règlement 309, R.R.O. de 1980, formule 2

NOTE Regulation 309 requires generators of hazardous or liquid industrial wastes to submit a Generator Registration Report using this form respecting each waste generation facility and each hazardous or liquid industrial waste

REMARQUE Le règlement 309 exige que les producteurs de déchets industriels liquides ou dangereux présentent un Rapport d'inscription du producteur en se servant de la présente formule pour chaque lieu de production de déchets et chaque déchet industriel liquide ou dangereux

Part I - Generator Identification / Partie I - Identification du producteur

This report is / Le présent rapport constitue		Generator Registration Number / N° d'inscription du producteur	
1 ☒ an initial generator registration report / un premier rapport d'inscription du producteur		0N0942300	
or / ou			
2 ☐ a revision - enter Ontario Generator Registration No / une révision - veuillez inscrire le numéro d'inscription du producteur de l'Ontario			
3 For generators located outside of Ontario, enter Registration Notification number assigned by your local environmental authority. / Si vous êtes un producteur de l'extérieur de l'Ontario, veuillez inscrire le numéro d'inscription d'identification attribué par les autorités locales en matière d'environnement.			
Name of Generator (Enter the corporate name or, if a partnership or proprietorship, the name of the principal(s). If the generator intends to carry on business under a separate name or style, this should also be entered). / Nom du producteur (Veuillez inscrire la dénomination sociale ou, s'il s'agit d'une société en nom collectif ou d'une société à propriétaire unique, le nom du (des) principal (principaux) propriétaire(s). Si le producteur envisage d'exploiter une entreprise sous une dénomination ou un nom distinct, veuillez également le noter)			
4 Name / Nom: CHEM MANUFACT LTD			
5 Address / Adresse: 122 JARDIN AVE			
6 Municipality / Municipalité: SARNIA		Province / State / Province / État: ONT	Postal Code / Code postal: N0N2L2
7 Site location / Lieu des installations: 122 JARDIN AVE			
8 Municipality / Municipalité: SARNIA		Province / State / Province / État: ONT	Postal Code / Code postal: N0N2L2
9 Name of contact / Nom de la personne à contacter: RICHARD LONDON		Tel No. / N° de tél.: 5193364033	
10 Standard Industrial Classification Codes (SIC) for Site noted in Section 7. / Codes de la classification des activités économiques pour les installations décrites au n° 7: 3712 3751			
11 Total number of wastes to be registered with this report / Nombre total de déchets à inscrire au moyen de ce rapport: 2			
12 Name of Company Official / Nom du représentant autorisé de la compagnie: GEORGE WRIGHT		13. Position / Poste: PLANT ENGINEER	
14 Signature / Signature: [Signature]		15. Date / Date: Oct. 15, 1985	
PENALTY		PENALTY	
Contraventions may be punished by fines of up to \$2,000 (higher if environmental damage may result) (Environmental Protection Act, sections 47 and 147)		Toute infraction peut être sanctionnée par une amende maximale de 2 000 \$ (ou plus s'il peut en résulter une détérioration de l'environnement) (Articles 47 et 147 de la Loi sur la protection de l'environnement)	
16. Ministry Use Only / Réservé au ministère			
County Code / Code de comté			
Regional District Code / Code de région district			
Municipal Code / Code de municipalité			
Inter City Tie Line / Ligne privée interurbaine			

Part 2 - Waste Identification / Partie 2 - Identification des déchets

1	Description of Waste / Description des déchets	DISTILLATION BOTTOMS CONTAINING ACETALDEHYDE, ACETIC ACID, CHLOROACETALDEHYDE, ACETYL CHLORIDE, OTHER ORGANICS AND WATER.										
2	Description of generating process / Description du procédé de production	DIRECT LIQUID PHASE OXIDATION OF ETHYLENE TO PRODUCE ACETALDEHYDE										
3	Waste quantity generated or accumulated / Quantité des déchets produite ou accumulée	Continuous process / Procédé continu kg/mo / kg/mois	or / ou	Batch process / par lots 4 batches/mo. / lots/mois kg/batch / kg/lot								
4	Primary characteristic / Caractéristique principale	HAZARDOUS INDUSTRIAL WASTE (SCHEDULE 1)										
Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. / Données analytiques (le cas échéant). Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations.												
Name of Laboratory (if applicable). / Laboratoire (le cas échéant)												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Waste Class / Catégorie des déchets</td> <td style="width: 20%; border: 1px solid black; padding: 2px;">2414</td> <td style="width: 20%;">Hazardous Waste Number / Numéro des déchets dangereux</td> <td style="width: 20%; border: 1px solid black; padding: 2px;">NA 9324</td> <td style="width: 20%;">Specific Gravity / Gravité spécifique</td> <td style="width: 20%; border: 1px solid black; padding: 2px;">0.92</td> <td style="width: 20%;">Physical State (Solid-S, Liquid-L, Gas-G) / État physique (solide-S, liquide-L, gaz-G)</td> <td style="width: 20%; border: 1px solid black; text-align: center; padding: 2px;">4</td> </tr> </table>					Waste Class / Catégorie des déchets	2414	Hazardous Waste Number / Numéro des déchets dangereux	NA 9324	Specific Gravity / Gravité spécifique	0.92	Physical State (Solid-S, Liquid-L, Gas-G) / État physique (solide-S, liquide-L, gaz-G)	4
Waste Class / Catégorie des déchets	2414	Hazardous Waste Number / Numéro des déchets dangereux	NA 9324	Specific Gravity / Gravité spécifique	0.92	Physical State (Solid-S, Liquid-L, Gas-G) / État physique (solide-S, liquide-L, gaz-G)	4					
For Ministry Use Only / Réservé au ministère												
5	Secondary Characteristic / Caractéristique secondaire	NONE										
Analytical data (if applicable) / Données analytiques (le cas échéant)												

Part 3 - Waste Management / Partie 3 - Gestion des déchets

1	Principal Intended Receiver / Réceptionnaire principal prévu	Receiver No. / N° du réceptionnaire
Company name and address / Nom et adresse de la compagnie TREATMENT INCORPORATED		A032000
Municipality / Municipalité: TORONTO		Province/State / Province/État:
Postal Code / Code postal: M3B2U2		
2	Principal Intended Carrier / Transporteur principal prévu	MOE Carrier No / N° du M. de l'E du transporteur
Company name and address / Nom et adresse de la compagnie CARRIER LTD		A 800200
Municipality / Municipalité: WINDSOR		Province/State / Province/État: ONT
Postal Code / Code postal: N0R2B1		

Part 2 – Waste Identification / Partie 2 – Identification des déchets

1	Description of Waste / Description des déchets	EXPIRED PHARMACEUTICAL (SOLUTION) CONTAINING EPINEPHRINE AS AN ACTIVE INGREDIENT		
2	Description of generating process / Description du procédé de production	PHARMACEUTICAL FORMULATING		
3	Waste quantity generated or accumulated / Quantité des déchets produite ou accumulée	Continuous process / Procédé continu kg/mo. / kg/mois or / ou Batch process / par lots 1 25 batches/mo / lots/mois kg batch / kg lot		
4	Primary characteristic / Caractéristique principale	ACUTE HAZARDOUS WASTE CHEMICAL (SCHEDULE 2A)		
Analytical data (if applicable) / If the data has been estimated, attach separate sheet outlining the basis for the estimate / Données analytiques (le cas échéant) / Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations.				
Name of Laboratory (if applicable) / Laboratoire (le cas échéant)				
Waste Class / Catégorie des déchets 261A		Hazardous Waste Number / Numéro des déchets dangereux UN 1851		Specific Gravity / Gravité spécifique 0.90
Physical State (Solid - S, Liquid - L, Gas - G) / État physique (solide - S, liquide - L, gaz - G) L				
For Ministry Use Only / Réservé au ministère				
5	Secondary Characteristic / Caractéristique secondaire			
Analytical data (if applicable) / Données analytiques (le cas échéant)				

Part 3 – Waste Management / Partie 3 – Gestion des déchets

1	Principal Intended Receiver / Réceptionnaire principal prévu	Receiver No. / N° du réceptionnaire
Company name and address / Nom et adresse de la compagnie ABC TREATMENT		A041600
Municipality / Municipalité WINDSOR		Province/State / Province/État ONT
		Postal Code / Code postal N0R3V2
2	Principal Intended Carrier / Transporteur principal prévu	MOE Carrier No. / N° du M de l'E du transporteur
Company name and address / Nom et adresse de la compagnie CARRIER LTD		A 800200
Municipality / Municipalité WINDSOR		Province/State / Province/État ONT
		Postal Code / Code postal N0R2B1

